Before the
                FEDERAL COMMUNICATIONS COMMISSION
                        Washington, DC 20554

In the Matter of   )
)   CC Docket No. 88-2
Filing and Review of Open   )
Network Architecture Plans   )

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              APRIL 15, 1999, ANNUAL ONA REPORT OF
              U S WEST COMMUNICATIONS, INC.

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April 15, 1999

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I. INTRODUCTION

As part of the Federal Communications Commission's ("Commission")

ongoing Open Network Architecture ("ONA") proceedings, the Commission has

imposed certain reporting requirements on the former Bell Operating Companies

("BOC").[1]

In the BOC ONA Further Amendment Order, the Commission included an

Appendix B, in which it stated -- in a summary fashion -- the requirements for BOC

April 15 annual filings.[2] For ease of the Commission's reference, U S WEST

Communications, Inc. ("U S WEST"), has chosen to follow the outline in Appendix B

in providing its responses.[3]

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[1] In the Matter of Filing and Review of Open Network Architecture Plans, Memorandum Opinion Order, 6 FCC Rcd. 7646, 7649-50 ¶ 4, n.8 (1991) ("BOC ONA Further Amendment Order," appeal dismissed sub nom. MCI v. FCC, No. 92-70189 (9th Cir. Dec. 13, 1993); and Memorandum Opinion and Order on Reconsideration, 8 FCC Rcd. 97, 100-01 ¶ 18 (1993) ("OSS Order"); In the Matter of Revision of ARMIS USOA Report (FCC Report 43-02) for Tier 1 Telephone Companies and Annual Report Form M, Memorandum Opinion and Order, 8 FCC Rcd. 2535, 2536 ¶ 10 (1993) ("Network Evolution Order").

[2] This format was originally suggested with regard to BOC ONA Plan Amendments due April 15, 1992. See BOC ONA Further Amendment Order, 6 FCC Rcd. at 7649-50 ¶ 4, n.8, 7677-79, Appendix B.

[3] U S WEST, in making this filing, does not concede that the Commission's jurisdiction to impose any ONA requirements on U S WEST is expanded by the filing itself. ONA remains a cooperative effort

II.   COMMISSION REPORTING REQUIREMENTS[4]

The Commission requires each BOC to report on the following, initially by

April 15, 1992, and on or before April 15 annually thereafter:

Requirement:

"(1)   Annual projected deployment schedules for its ONA services by type of
ONA service BSA [Basic Service Arrangement], BSE [Basic Service
Element], CNS [Complementary Network Service], or ANS [Ancillary
Network Service] in terms of percentage of access lines serviced system-wide
and by market-area. The April 15, 1999 Report is to provide deployment
schedules as of December 31, 1998, as well as projected deployment schedules
as of December 31, 1999, December 31, 2000, and December 31, 2001."[5]

Response:

The deployment schedules for ONA Services accompany the instant filing,

attached hereto as Appendix A.

Requirement:

"(2)   New ONA service requests from ESPs [Enhanced Service Providers]
and their disposition, and disposition of ONA service requests that have
previously been designated for further evaluation."[6]

Response:

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between the BOCs and the Commission, and U S WEST is not, via such cooperation, submitting to
an extension of Commission jurisdiction over U S WEST.

[4] In response to the Commission's Further Notice of Proposed Rulemaking seeking comments on the
elimination of some or all ONA reporting requirements, U S WEST proposed that the semi-annual
reports and the Annual Report be consolidated into a new Annual ONA Report. The new Annual
ONA Report would encompass all of the existing requirements of the semi-annual reports and
streamlined information contained in its current ONA Annual Report. U S WEST proposed that the
Commission retain Requirements (1), (2) and (6) and modified versions of Requirements (4) and (5).
U S WEST proposed eliminating Requirements (3), (7), (8), (9), (10) and (11). U S WEST Comments
filed Mar. 27, 1998. In the Matter of Computer III Further Remand Proceedings: Bell Operating
Company Provision of Enhanced Services, 1998 Biennial Regulatory Review -- Review of Computer
III and ONA Safeguards and Requirements, CC Docket Nos. 95-20 and 98-10, Further Notice of
Proposed Rulemaking, FCC 98-8, rel. Jan. 30, 1998 ¶¶ 101-2.

[5] See BOC ONA Further Amendment Order, 6 FCC Rcd. at 7677, Appendix B; OSS Order, 8 FCC
Rcd. at 100-1 ¶ 18.

[6] See BOC ONA Further Amendment Order, 6 FCC Rcd. at 7677, Appendix B.

U S WEST herein reports on the disposition of the ONA service requests received through our 120-day process, using the following classifications:[7]

<u>Category 1 -- Developed</u>

The requested service has been developed and is available (or will be available upon tariff approval).

<u>Category 2 -- Under Development</u>

The requested service is under development, and will be available, generally within one year of response.

<u>Category 3 -- Further Evaluation Planned</u>

The requested service is not currently available (generally due to technological reasons), but conditions may develop which could change its status. The request will be reevaluated within a time frame specified in U S WEST's response to the ESP. U S WEST will also identify activities and milestones being pursued, if appropriate, to meet the request. Such activities might include formal and informal technical research, market research, etc.

<u>Category 4 -- Pending Evaluation</u>

The request is currently being evaluated within the 120-day request cycle.

<u>Category 5 -- No Further Activity Planned</u>

The request cannot be met for the reason specified in U S WEST's response to the ESP (<u>e.g.</u>, not an ONA request), or the requesting party cancels the request or chooses no further activity at any time during the process.

In 1998, no complete ESP request for new ONA service applications was received.[8]

A complete list of services requested through the 120-day process from 1990 through 1996 and their current classification is provided at Appendix B. One of the services, Customer Control of Ring Cycles on Call Forwarding Don't Answer ("CFDA"), was partially responded to in 1997 through the introduction of Customer Programmable Ring Cycle ("CPRC").[9] The 1991 request for CFDA was for <u>customer</u> control of the ring cycle. CPRC provides that control to ESPs on behalf of their customers.

<u>Requirement:</u>

"(3)   Those ONA service requests previously deemed technically infeasible, and their disposition."[10]

<u>Response:</u>

In this filing, U S WEST provides an update of those ESP requests that had been deemed "Technically Infeasible" in the April 15, 1998, U S WEST Annual ONA

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[7] This classification model has been used in U S WEST's 1993, 1994, 1995, 1996, 1997 and 1998 Annual ONA Reports.

[8] U S WEST has stated that "the following criteria are used to determine whether or not an ESP has proffered a 'complete' request: customer name, contact name, address, telephone number, and date of request; description of desired network capability and utility to ESP or its customer or both; clarification if service is a modification to an existing service; if desired capability exists in another BOC, name of BOC and name of service; desired feature operation; service which will be supported by a new capability (enhanced service offering/application), drawing/illustration of telephone network interaction with desired capability and enhanced service it supports; traffic characteristics of the feature; location life of feature (short/long -term solution); market demand estimates and whether a nondisclosure agreement is requested; location where a feature is desired (states, metropolitan area, wire centers)." <u>See</u> U S WEST's Apr. 15, 1998 Annual Report at 2; U S WEST's Apr. 15, 1997 Annual Report at 2; U S WEST's Apr. 15, 1996 Annual ONA Report at 4; U S WEST's Apr. 15, 1995 Annual ONA Report at 4; U S WEST's Apr. 15, 1994 Annual ONA Report at 4; U S WEST's Apr. 15, 1993 Annual ONA Report at 5; U S WEST's Apr. 15, 1992 Annual ONA Report at 10.

[9] <u>See</u> U S WEST CEI Plan Amendments for Voice Messaging ("VMS") and Enhanced Facsimile Services filed Oct. 14, 1997 and effective Dec. 18, 1997.

[10] <u>BOC ONA Further Amendment Order</u>, 6 FCC Rcd. at 7678, Appendix B.

Report.[11] Forty-one requests continue to be categorized as "Technically Infeasible." The status of the 41 original ONA service requests currently categorized as "Technically Infeasible" is provided at Appendix C.

Service requests showing the current status of "Remains Classified as Future" include both those that are "Technically Infeasible" as well as those that fail to meet other aspects of the four Commission-established criteria for ONA services, i.e., market demand, utility as perceived by ESPs, and technical and costing feasibility.[12] U S WEST continues to work with requesting ESPs, equipment manufacturers, and the Network Interconnectivity Interoperability Forum ("NIIF"), to meet those requests that satisfy the criteria for ONA services.

Requirement:

"(4)   SS7 [Signaling System 7], ISDN, and IN [Intelligent Network] projected deployment in terms of percentage of access lines served system-wide and on a market-area basis. SS7 data should be reported by TR 317 and TR 394, ISDN data by BRI [Basic Rate Interface] and PRI [Primary Rate Interface], and IN data by release number or other designation by type."[13]

Response:

Included at Appendix D to this filing is U S WEST's deployment report for SS7, ISDN, and IN technologies. This report reflects projected deployment of the percentage of access lines by market area and on a system-wide basis that will have access to SS7, ISDN, and IN technologies. This information is based on current U S WEST plans, and reflects projected deployment as of December 31, 1999,

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[11] Id. at Appendix C.

[12] See In the Matters of Amendment of Sections 64.702 of the Commission's Rules and Regulations (Third Computer Inquiry), Report and Order, 104 FCC 2d 958, 1065-66 ¶ 217 (1986) ("Phase I Order").

December 31, 2000, and December 31, 2001. In addition, actual deployment figures as of December 31, 1998 are reported.

Requirement:

"(5) New ONA services available through SS7, ISDN, and IN, and plans to provide these services."[14]

Response:

In 1999, U S WEST plans to deploy two new IN services, Privacy + and I-Called. With Privacy +, callers that are in an "unavailable/unidentified" area and callers that choose not to unblock their data, will be asked to record their name. Caller Id with Privacy + will ring the subscriber's phone with a distinctive ring (two short rings). If the call is answered, the customer will hear the recorded name and have the option of pressing "1" to accept the call or "2" to reject the call. I-Called allows a caller who encounters a "no answer" condition to record their name and number and the network will continue to try to deliver the recording to the called party.

Requirement:

"(6) Progress on the efforts in the IILC on continuing activities for the implementation of service-specific and long-term uniformity issues."[15]

Response:

One of the six unresolved issues included in U S WEST's 1998 ONA Report,[16] issue 052, was resolved in 1997. The NIIF identified and documented typical

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[13] BOC ONA Further Amendment Order, 6 FCC Rcd. at 7678, Appendix B.

[14] Id.

[15] See BOC ONA Further Amendment Order, 6 FCC Rcd. at 7678, Appendix B.

functions that are candidates for inclusion in mediation, and criteria for determining the placement of those functions. Issue 55, ISDN Feature Information, was resolved in 1998. NIIF participants provided NIIF with their ISDN Internet web sites to obtain information on ISDN. These web sites can be obtained by contacting the NIIF secretary or by contacting the affected company directly.

Issues 051, Procedures for Access to OSSs in a Multi-Provider Environment, and 053, Application, Control and Management of Mediation Functions Between Multiple Service and Network Providers, were withdrawn in 1997. Issue 050, AIN/IN Trigger Provisioning and Subscription in a Multi-Provider Environment, was withdrawn in 1998. There is currently one issue, active but as yet unresolved, that is uniformity related. It has been renumbered by NIIF as reflected below. The issue is:

IILC NIIF

049   6:   Trigger Usage in a Multi-Provider Environment

U S WEST is represented on the NIIF task group working this issue and is committed to working toward resolution of this matter as quickly as possible.

Requirement:

"(7)   Progress in providing billing information including BNA [Billing Name and Address], line-side CNI [Calling Number Information], or possible CNI alternatives, and call detail service to ESPs."[17]

Response:

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[16] See U S WEST's Apr. 15, 1998 Annual ONA Report at 7.

[17] Id.

The Commission finds in its <u>BOC ONA Further Amendment Order</u>, that the BOCs have made progress in providing billing information services to ESPs, and also in working through the NIIF to define ESP needs for billing information. However, the Commission requires the BOCs to continue to report progress in this area to assure that ESPs have access to billing information they need.

U S WEST described in its previous Annual ONA Reports to the Commission, numerous and widely-available services offered by U S WEST that provide information that ESPs might find useful to bill their customers.[18]

Available services that provide ESPs and other customers call-related information helpful for billing purposes include:

<u>Caller Identification-Number ("ICLID"),</u> which provides the calling party's directory number at the time the call is received. This service requires that both the originating and terminating central office switches be equipped with and interconnected by SS7.

<u>Called Identification-Bulk ("BCLID"),</u> which provides the calling party's directory number at the time the call is received via a 1200-baud private line circuit. As with ICLID, this service requires that both the originating and terminating central office switches be equipped with and interconnected by SS7.

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[18] <u>See</u> U S WEST's Apr. 15, 1992 Annual ONA Report at 23-26; U S WEST's Apr. 15, 1993 Annual ONA Report at 16-17; U S WEST's Apr. 15, 1994 Annual ONA Report at 12-14; U S WEST's Apr. 15, 1995 Annual ONA Report at 11-13; U S WEST's Apr. 15, 1996 Annual ONA Report at 9-11; U S WEST's Apr. 15, 1997 Annual Report at 7-9; and U S WEST's Apr. 15, 1998 Annual ONA Report at 7-10.

<u>MDS,</u> which transmits calling number, called number, and the reason for forwarding a call (such as busy/don't answer) on forwarded intra-office calls. Call information is transmitted pertaining to all incoming calls to an ESP's multi-line hunt group through an SMDI data link (private line) between the central office switch and the ESP's premise.

<u>MDSI,</u> which provides the same call-related data as MDS, but on an interoffice basis using SS7 technology, rather than dedicated SMDI links from the ESP to each central office served.

<u>ANI-Circuit Switched Trunkside Option 1/FG-B like,</u> which delivers the seven-digit billing number of the calling party via the equal access signaling protocol.

<u>ANI-Circuit Switched Trunkside Option 3/FG-D like,</u> which delivers the 10-digit billing number of the calling party via the equal access signaling protocol.

<u>Network Access Service,</u> which provides call detail from the originating office when a unique NXX code is dialed. Call detail currently includes calling and called number; message date and connect and disconnect time; and billing name, address and phone number. Call detail is delivered to the subscriber on paper or magnetic tape. Only intraLATA calls can be provided with call detail.

<u>Access Service Billing Information,</u> which provides the subscriber with a data record of all calls made to its access port or telephone number. The detail record will vary depending upon whether the call is made in

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a packet or circuit switch environment, and will be delivered on a magnetic tape.

ANI Order Entry, which provides the ANI of the ESP client, along with the called number. This information is forwarded via a private line data link.

BNA, is available to any telecommunications provider, including ESPs, and is allowed to be used only in conformity with 47 C.F.R. § 64.1201.

Requirement:

"(8)   Progress in developing and implementing OSS services and ESP access to those services."[19]

Response:

U S WEST has described in previous filings a variety of services that meet customers' network management needs.[20] The services provide an array of network management capabilities. Services currently available that provide customers with network reconfiguration abilities or performance and traffic data include:

- SHARP (Self-Healing Alternative Route Protection), which provides alternate path diversity for DS1/DS3.

- SHNS (Self-Healing Network Service) has self-healing capability and alternate routing via ring topology as standard features.

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[19] See BOC ONA Further Amendment Order, 6 FCC Rcd. at 7678, Appendix B.

[20] See U S WEST's Apr. 15, 1992 Annual ONA Report at 27-30; U S WEST's Apr. 15, 1993 Annual ONA Report at 18-19; U S WEST's Apr. 15, 1994 Annual ONA Report at 14-16; U S WEST's Apr. 15, 1995 Annual ONA Report at 13-15; U S WEST's Apr. 15, 1996 Annual ONA Report at 11-13; U S WEST's Apr. 15, 1997 Annual ONA Report at 9-11; and U S WEST's Apr. 15, 1998 Annual ONA Report at 10-11.

- Command-A-Link, which allows customers to reconfigure and remotely manage their private line networks is available on Analog Private Line, Digital Data Service, and DS1/DS3 Private Line Service.

- Numerous U S WEST !NTERPRISE Networking Services, such as Frame Relay and Switched Multi-Megabit Data Service ("SMDS") which contain inherent performance monitoring elements as part of the service.

- Electronic bonding capability via a Mediated Access Gateway ("MEDIACC") that allows ESPs and others access to certain OSS capabilities, such as Trouble Administration ("TA").

- Centrex services which provide standard and optional features that can be added, deleted, and changed by the customer; and that provide call data on Centrex lines.

<u>Requirement:</u>

"(9)   Progress on the uniform provision of OSS services."[21]

<u>Response:</u>

U S WEST has committed in previous filings to "continue to work with ESPs, ESP industry groups, and the former IILC, now the NIIF, to better define specific ESP needs/market demands and to work towards uniformity of product and operational standards" with regard to OSS development and deployment.[22]

U S WEST continues to support and is actively involved in the development of industry standards for Electronic Bonding and Electronic Communication. U S WEST is involved in the Electronic Communication Implementation Committee ("ECIC") and holds positions on the Leadership, Steering, Trouble Administration,

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[21] See <u>BOC ONA Further Amendment Order</u>, 6 FCC Rcd. at 7678, Appendix B.

[22] <u>See</u> U S WEST's Apr. 15, 1992 Annual ONA Report at 31; U S WEST's Apr. 15, 1993 Annual ONA Report at 20; U S WEST's Apr. 15, 1994 Annual ONA Report at 16-17; U S WEST's Apr. 15, 1995 Annual ONA Report at 15-16; U S WEST's Apr. 15, 1996 Annual ONA Report at 13-14; U S WEST's Apr. 15, 1997 Annual ONA Report at 11-12; and U S WEST's Apr. 15, 1998 Annual ONA Report at 11-12.

Primary Interexchange Carrier, and ASR sub-committees. ECIC is a national committee that focuses upon developing guidelines for delivering uniform services using standard deployment procedures.

U S WEST is represented at TCIF on the EDI service order sub-committee. This committee establishes industry guidelines and service order transactions standards for network telecommunications services. Currently, U S WEST is reviewing ECIC recommendations for implementing the Ordering and Pre-Ordering format recommendations from the EDI Committee.

<u>Requirement:</u>

"(10)   List of BSEs used in the provision of BOC's own enhanced services."[23]

<u>Response:</u>

U S WEST is currently utilizing the following BSEs in the provisioning of enhanced services:

<u>Voice Messaging Services:</u> Uniform Call Distribution, Hunting, Call Transfer, Message Delivery Service, Message Delivery Service Interoffice, Market Expansion Line, Traffic Detail Report Service, Message Waiting Indication - Visual.

<u>On-Line Database Access Services:</u> Hunting, Call Transfer, Uniform Call Distribution .

<u>Audiotex Services:</u> Hunting, Call Transfer, Called Directory Number Delivery ("DID").[24]

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[23] <u>BOC ONA Further Amendment Order</u>, 6 FCC Rcd. at 7678, Appendix B.

Enhanced Facsimile Services: Called Directory Number Delivery

("CDND"),[25] Hunting.

Protocol Processing: Backup/Redirection, Closed User Group, Fast

Select Acceptance, Flow Control Parameters, (Packet), Logical Channel

(Packet), Logical Channel Layout (Packet), Multiple Network

Addresses (Packet), Multiple Port Hunt Group, Nonstandard Window

Size (Packet), Permanent Virtual Circuit (Packet), CUG Incoming

Access Barred (Packet), CUG Outgoing Access Barred (Packet),

Reverse Charge Option (Packet), Reverse Charge Acceptance (Packet).

Requirement:

"(11) Each BOC must file the first annual report on the unbundling of new technologies by July 15, 1993. Thereafter, each BOC must file this annual report by April 15 of each year with other annual reports required by the BOC ONA Further Amendment Order."[26]

Response:

U S WEST herein describes for the Commission our efforts with regard to the

creation of services as a result of certain technologies which are of interest to the

Commission.

IN: Last year U S WEST reported that it planned to deploy a new IN service,

Call Data Collection and Transmission Service (CDCT).[27] CDCT captures incoming

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[24] In some of our states, CDND is a BSE. In others, it is considered an integral component of the BSA, Direct Inward Dialing.

[25] Id.

[26] Network Evolution Order, 8 FCC Rcd. at 2608 ¶ 10.

[27] See U S WEST's Apr. 15, 1998 Annual ONA Report at 6.

call data on an incoming telephone line or group of lines. The data includes time, date, calling party number, calling party name, busy calls, unanswered calls, and length of answered calls. This service has been deployed in all U S WEST states. In addition, U S WEST deployed five additional IN services in 1998. Following is a brief description of each.

Dial Lock has been deployed in all but two U S WEST states. It allows subscribers to selectively block all or a portion of outbound calls. Entire area codes, operator and directory assisted calls, specific local and long distance numbers and any non-emergency toll calls may be blocked as defined by the subscriber.

Continuous Redial Deluxe is an enhancement to Continuous Redial (*66). This feature provides a message to the calling party each time a busy signal is encountered asking if they would like to activate Continuous Redial. It has been deployed in all U S WEST states.

No Solicitation allows users to screen out calls from telemarketers. The service is activated between 8AM and 9PM. Callers who are not on a user defined privileged caller list will receive a recording informing them that the called party does not wish to receive solicitation calls. The caller can hang up or remain on the line and the call will ring through to the subscriber. This service is available in all but two U S WEST states.

Business Continuation Routing allows business customers to forward communications. This service is available in all U S WEST states.

Call Curfew is a customer- programmable feature that provides the ability to block inbound and outbound calls based on the time of day. Only calls to and from a privileged caller list or incoming calls accompanied by a PIN (Personal Identification Number) are completed. Blocked calls are referred to a voice recording.   Call Curfew is available in all U S WEST states.

Deployment of other IN services was expanded in 1998. IS-41 Locator Service and Wireless Extension is available in four U S WEST states.   IS-41 Locator is used by wireless carriers to support Wireless Extension to their end users. Wireless Extension allows customers to use their wire line number to route calls to their wireless service. Do Not Disturb Service has been deployed in all but two U S WEST states.

During 1998, U S WEST actively participated in industry efforts to resolve various operational, technical and uniformity issues relating to unbundling of the IN network. U S WEST actively participates with ATIS' Network Technical Committee ("NTC") and continues to support the NIIF as an appropriate forum for addressing technical, operational and standards issues.

SS7: U S WEST provides the following SS7-based services requested by ESPs: MDSI (Message Delivery Service Interoffice), Continuous Redial, Last Call Return, ICLID, BCLID, Call Trace, Call Rejection, Selective Call Forwarding, and Priority Call.

In addition, U S WEST offers the following SS7-based services: SS7 Out-of-Band Signaling (an optional feature of switched access) and Common Channel

Signal Access Capability ("CCSAC"). CCSAC was restructured to comply with the Commission's Local Transport Restructure rules.[28] The CCSAC restructure took the CCS Links from three elements (the STP Access Connection Option A or Option B, STP Link and STP Port), to a five element structure (the Entrance Facility, Direct Link Transport, CCS Link, STP Port, and Multiplexing).

ISDN: Last year, U S WEST reported that ISDN Primary Rate Service ("PRS") deployment including Circuit Switched Data ("CSD") PRS had been expanded to twelve U S WEST states.[29] ISDN PRS and CSD PRS are now available in all U S WEST states.

Single Line ISDN is currently available via tariffs throughout U S WEST's 14 state region. In 1998 U S WEST reported that, in Arizona, U S WEST introduced a new measured service package that is a virtual flat rate if the customer stays below 400 hours per month of B-channel usage. In addition, U S WEST introduced a new rate stability plan that offers both non-recurring and recurring discounts based on the length of the contract.[30] During 1998 a concerted effort was made to lower prices and to transition from measured rates to flat rates. In addition, attention was given to restructuring the rate stability plans to make them more attractive to the mass markets. Finally, U S WEST improved its external web site, http://www.uswest.com/isdn by adding information and improving the format.

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[28] U S WEST Tariff F.C.C. No. 5, Transmittal 528, filed Aug. 30, 1994.

[29] See U S WEST's Apr. 15, 1998 Annual ONA Report at 15.

[30] See U S WEST's Apr. 15, 1998 Annual ONA Report at 15-16.

III.   <u>CONCLUSION</u>

U S WEST's 1999 Annual ONA Report is responsive to all Commission

Requirements and <u>Orders</u>. We are confident that the Commission will find the

material contained herein satisfactory.

Respectfully submitted,

U S WEST COMMUNICATIONS, INC.

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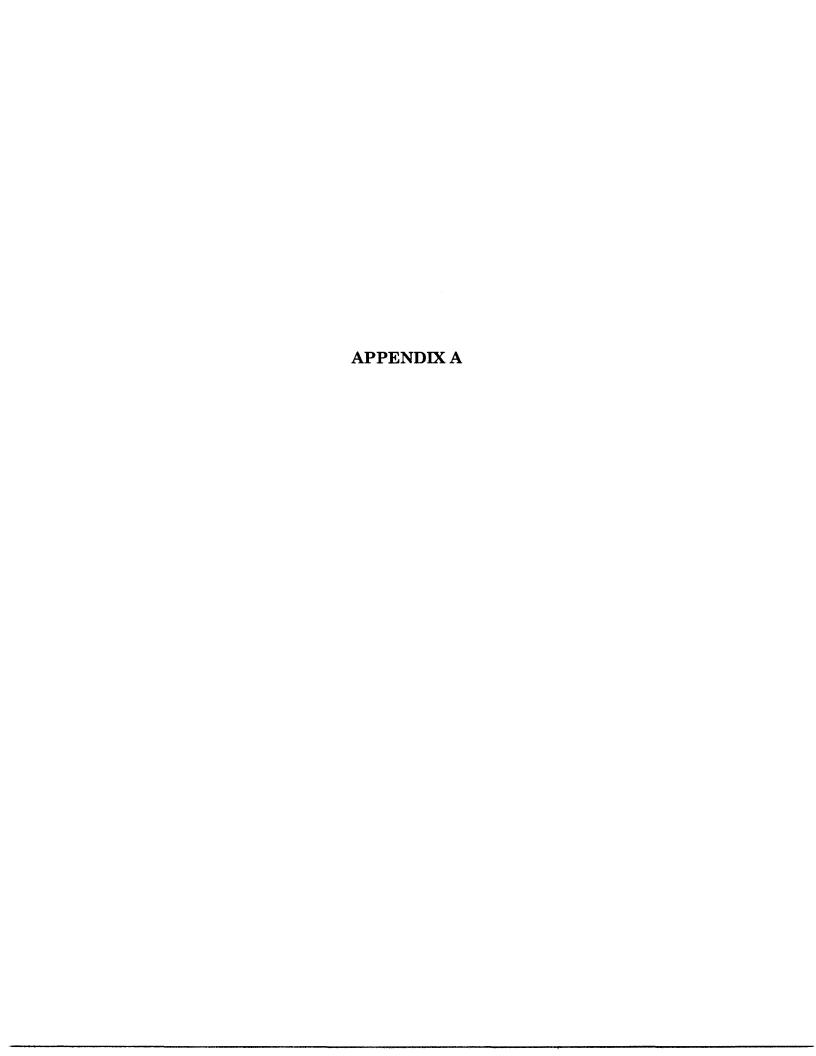   (303) 672-2859
April 15, 1999

    Its Attorney

APPENDIX A

SUMMARY FOR MARKET AREA: * NON-MARKET AREAS   -

NPAs:

Total Access Lines in: * NON-MARKET AREAS   =   5213860

Percentage Availability of ONA Services By Date for * NON-MARKET AREAS

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSA	C2 TypA - X.25 Pkt Sw	Packet Switching (X.25)	6.9	6.9	6.9	6.9
BSA	C2 TypB - X.75 Pkt Sw	Packet Switching (X.75)	6.9	6.9	6.9	6.9
BSA	Frame Relay Service	Frame Relay Service	6.9	6.9	6.9	6.9
BSA	ATM Cell Relay Service	ATM Cell Relay Service	6.9	6.9	6.9	6.9
BSA	MegaCentral Service	MegaCentral Service	6.9	6.9	6.9	6.9
BSA	C3 TypA - Ded Metallic	Analog PLS-DCCS	99.9	99.9	99.9	99.9
BSA	C3 TypB - Ded Telegraph	Analog PLS-LSDS	99.9	99.9	99.9	99.9
BSA	C3 TypC - Ded Voice Grd	Analog PLS-VGS	99.9	99.9	99.9	99.9
BSA	C3 TypD - Ded Prgm Audio	Analog PLS-AS	99.9	99.9	99.9	99.9
BSA	C3 TypE - Ded Video	Analog PLS-VS	99.9	99.9	99.9	99.9
BSA	C3 TypF - Ded < 64kbps	Digital Data Service	99.9	99.9	99.9	99.9
BSA	C3 TypG - Ded 1.544Mbps	DS1 Service	99.9	99.9	99.9	99.9
BSA	C3 TypH - Ded >1.544Mbps	DS3 Service	99.9	99.9	99.9	99.9
BSA	C4 - Ded Ntwk Accss Link	Analog PLS	99.9	99.9	99.9	99.9
BSA	Data Over Voice (DOV)	Simultaneous Voice/Data	99.9	99.9	99.9	99.9
BSA	C3 TypK - Ded 64 kbps	Digital Data Svc-64kbps	99.9	99.9	99.9	99.9
BSA	C1 TypA - Ckt Sw Line	Voice Gr Line Ckt Swt'd	100.0	100.0	100.0	100.0
BSA	C1 TypB - Ckt Sw Trunk	Voice Gr Trnk Ckt Swt'd	100.0	100.0	100.0	100.0
BSA	Coin Ph-Post Dial DTMF	SP & Shared Coin Lines	100.0	100.0	100.0	100.0
BSA	Faster Signaling-DID	Called Dir No Deliv(DID)	100.0	100.0	100.0	100.0
BSA	555 Access Service	555 Access Service	.0	.0	.0	.0

SUMMARY FOR MARKET AREA: * NON-MARKET AREAS   -

NPAs:

Total Access Lines in: * NON-MARKET AREAS   =   5213860

Percentage Availability of ONA Services By Date for * NON-MARKET AREAS

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSE	Call Det Recd'g Rpts Pkt	Acc Svc Bill Info (pkt)	6.9	6.9	6.9	6.9
BSE	Call Redirection Packet	Backup/Redirection (pkt)	6.9	6.9	6.9	6.9
BSE	Closed User Groups Pkt	Closed User Group (pkt)	6.9	6.9	6.9	6.9
BSE	Fast Select Accept Pkt	Fast Select Accept (pkt)	6.9	6.9	6.9	6.9
BSE	Fast Select Request Pkt	Fast Select Accept (pkt)	6.9	6.9	6.9	6.9
BSE	Hunt Groups Packet	Mult Port Hunt Grp (pkt)	6.9	6.9	6.9	6.9
BSE	Menu Acs Trans - Gateway	Community Link	.0	.0	.0	.0
BSE	Reverse Chg Accept Pkt	Rev Chg Acceptance (pkt)	6.9	6.9	6.9	6.9
BSE	Incoming Cls Barred-Pkt	CUG Inc Acc Barred (pkt)	6.9	6.9	6.9	6.9
BSE	Outgoing Cls Barred-Pkt	CUG Out Acc Barred (pkt)	6.9	6.9	6.9	6.9
BSE	Flow Contr Param Neg-Pkt	Flow Control Param (pkt)	6.9	6.9	6.9	6.9

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSE	Logical Chan Layout-Pkt	Logical Chan Layout(pkt)	6.9	6.9	6.9	6.9
BSE	Logical Channels-Pkt	Logical Channel (pkt)	6.9	6.9	6.9	6.9
BSE	Mult Ntwk Addr/Port-Pkt	Mult Ntwk Addresses(pkt)	6.9	6.9	6.9	6.9
BSE	Default Window Size-Pkt	Non-Std Window Size(pkt)	6.9	6.9	6.9	6.9
BSE	Perm Virtual Ckt-Pkt	Perm Virtual Ckt (pkt)	6.9	6.9	6.9	6.9
BSE	Rev Chg Req Optn-Pkt	Rev Charge Option (pkt)	6.9	6.9	6.9	6.9
BSE	Acc To Clr Ch Transmissn	Clear Channel Capability	99.9	99.9	99.9	99.9
BSE	Automatic Protect Swtchg	Automatic Loop Transfer	99.9	99.9	99.9	99.9
BSE	Bridging	Bridging	99.9	99.9	99.9	99.9
BSE	Conditioning	Private Line Condition	99.9	99.9	99.9	99.9
BSE	Secondary Ch Capability	Secondary Channel	99.9	99.9	99.9	99.9
BSE	Network Reconfiguration	Command-A-Link	99.9	99.9	99.9	99.9
BSE	ANI Forwarding (future)	ANI Forwarding	.0	.0	.0	.0
BSE	Order Entry Service	ANI Order Entry	99.9	99.9	99.9	99.9
BSE	Trans Imprv-Ckt Sw Svcs	Improve Trans Perform	99.9	99.9	99.9	99.9
BSE	Multiplexing-Digital	Multiplexing	99.9	99.9	99.9	99.9
BSE	Call Det Rcdg-NXX Screen	Network Access Service	99.9	99.9	99.9	99.9
BSE	Traffic Data Reports	Traffic Data Report Svc	99.9	99.9	99.9	99.9
BSE	Alternate Routing	Alt Traffic Routing	100.0	100.0	100.0	100.0
BSE	Answer Supv'n Line Side	Ans Supv'n - Line Side	42.3	42.5	42.5	42.5
BSE	Call Detail Recrd'g Rpts	Access Svc Billing Info	100.0	100.0	100.0	100.0
BSE	Clld DN Deliv via DID	Called Dir No Deliv(DID)	100.0	100.0	100.0	100.0
BSE	Flexible ANI	Flexible ANI	61.0	61.0	61.0	61.0
BSE	Cllg Bllg Num Deliv FG B	Auto Number ID (FGB)	100.0	100.0	100.0	100.0
BSE	Cllg Bllg Num Deliv FG D	Auto Number ID (FGD)	100.0	100.0	100.0	100.0
BSE	Cllg DN Deliv via BCLID	Calling No. ID (BCLID)	10.3	10.3	10.3	10.3
BSE	Cllg DN Deliv via ICLID	Caller ID - Number	76.2	76.5	76.5	76.5
BSE	DID Trunk Queuing	DID Trk Q & Basic Announ	10.9	10.7	10.7	10.7
BSE	Make Busy Key	Make Busy	93.3	93.3	93.3	93.3
BSE	Message Desk (SMDI)	Message Delivery Service	97.8	97.8	97.8	97.8
BSE	MWI Activation (Audible)	Message Delivery Service	83.3	83.3	83.3	83.3
BSE	MWI Activation (Visual)	Message Delivery Service	83.3	83.3	83.3	83.3
BSE	Multiline Hunt Group	Hunting	100.0	100.0	100.0	100.0
BSE	MLHG CO Announcements	Uniform Call Distribut'n	78.8	78.8	78.8	78.8
BSE	MLHG Access to Each Port	Hunting	100.0	100.0	100.0	100.0
BSE	MLHG Overflow	Hunting	100.0	100.0	100.0	100.0
BSE	MLHG UCD Line Hunting	Uniform Call Distribut'n	93.3	93.3	93.3	93.3
BSE	MLHG UCD With Queuing	Uniform Call Distribut'n	93.3	93.3	93.3	93.3
BSE	Three Way Call Transfer	Call Transfer	100.0	100.0	100.0	100.0
BSE	Mssg Desk Expand (SMDIE)	Msg Del Svc (Interoffice	93.8	94.9	94.9	94.9
BSE	MWI Act (Audible) Expand	Msg Del Svc (Interoffice	93.8	94.9	94.9	94.9
BSE	MWI Act (Visual) Expand	Msg Del Svc (Interoffice	93.8	94.9	94.9	94.9
BSE	Mplx-T1-1.544Mbps-Line	Interface Group 6	100.0	100.0	100.0	100.0
BSE	Remote Call Forwarding	Market Expansion Line	100.0	100.0	100.0	100.0
BSE	Three Way Calling	Three Way Calling	100.0	100.0	100.0	100.0
BSE	Dial Call Waiting	Dial Call Waiting	53.5	53.5	53.5	53.5
BSE	Distinctive Alert	Distinctive Alert	46.8	46.8	46.8	46.8
BSE	Dir Call Pickup w/oBarge	Dir Call PU w/o Barge-In	89.1	89.3	89.3	89.3
BSE	Dir Call Pickup w/Barge	Dir Call PU w/ Barge-In	89.1	89.3	89.3	89.3
BSE	Call Transfer on DID	DID 2-Way Call Transfer	43.2	43.0	43.0	43.0

SUMMARY FOR MARKET AREA: * NON-MARKET AREAS   -

NPAs:

Total Access Lines in: * NON-MARKET AREAS   =   5213860

Percentage Availability of ONA Services By Date for * NON-MARKET AREAS

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
CNS	Direct Call Packet	Auto Call (Packet)	6.9	6.9	6.9	6.9
CNS	Abbreviated Call-Packet	Abbreviated Call (pkt)	6.9	6.9	6.9	6.9
CNS	Derived Ch (Monitoring)	Scan Alert	.0	.0	.0	.0
CNS	Ver Intgrty Subscr Lines	Scan Alert	.0	.0	.0	.0
CNS	Automatic Callback	Continuous Redial	96.0	97.1	97.1	97.1
CNS	Automatic Recall	Last Call Return	96.0	97.1	97.1	97.1
CNS	CFBL Intraswitch	Call Fwd'ing Busy Line	100.0	100.0	100.0	100.0
CNS	CFBL Interswitch	Call Fwd Busy Line (Exp)	100.0	100.0	100.0	100.0
CNS	CFBL/DA Cust Act/Deact	Call Fwd BL, Cust Prog	100.0	100.0	100.0	100.0
CNS	CFBL/DA Cust Fwd To No.	Call Fwd DA, Cust Prog	100.0	100.0	100.0	100.0
CNS	CFDA Intraswitch	Call Fwd'ing Don't Ans	100.0	100.0	100.0	100.0
CNS	CFDA Interswitch	Call Fwd Don't Ans (Exp)	100.0	100.0	100.0	100.0
CNS	CF Mult Sim Call Intersw	Call Fwd'ing Variable	100.0	100.0	100.0	100.0
CNS	CF Variable	Call Fwd'ing Variable	100.0	100.0	100.0	100.0
CNS	CF Var Act w/o Crtsy Cal	Call Fwd Var w/o Compl	32.2	32.3	32.3	32.3
CNS	CF Var Remote Act/Cntrol	Rem Access Fwd'ing	.0	.0	.0	.0
CNS	Call Waiting Cancel	Call Waiting	100.0	100.0	100.0	100.0
CNS	CFDA After CW	Call Waiting	78.6	78.6	78.6	78.6
CNS	Cust Originated Trace	Call Trace	96.0	97.1	97.1	97.1
CNS	Distinctive Ringing	Priority Call	96.0	97.1	97.1	97.1
CNS	Dist Ring Term Screen	Custom Ringing	78.8	78.8	78.8	78.8
CNS	Hot Line	Hot Line	100.0	100.0	100.0	100.0
CNS	MWI ATR Audible Msg Wtg	Msg Wtg Indic'n-Audible	76.6	76.6	76.6	76.6
CNS	MWI ATR Visual Msg Wtg	Msg Wtg Indic'n-Visual	76.6	76.6	76.6	76.6
CNS	Selective Call Forward'g	Selective Call Fwd'ing	96.0	97.1	97.1	97.1
CNS	Selective Call Rejection	Call Rejection	81.6	82.7	82.7	82.7
CNS	Shared Speed Calling	Abbr Acc/Act (1-2 Digit)	93.3	93.3	93.3	93.3
CNS	Speed Calling	Speed Calling (8 No)	100.0	100.0	100.0	100.0
CNS	Warm Line	Warm Line	56.8	57.0	57.0	57.0
CNS	CFBL & CFDA Intraswitch	Call Fwd Busy Line/DA	100.0	100.0	100.0	100.0
CNS	Custom Ring'g-CF(future)	Custom Ringing-Call Fwd	.0	.0	.0	.0
CNS	Dual Tel Coverage(future	Dual Telephone Coverage	.0	.0	.0	.0
CNS	CFDA To DID Intraswitch	Expanded Answer	10.9	10.7	10.7	10.7
CNS	CFBL & CFDA Interswitch	Call Fwd'ing BL/DA (Exp)	100.0	100.0	100.0	100.0
CNS	Speed Calling (30 No)	Speed Calling (30 No)	100.0	100.0	100.0	100.0
CNS	MWI Audible/Visual	MWI ATR Aud/Vis	83.3	83.3	83.3	83.3

SUMMARY FOR MARKET AREA: * ALL OF U S WEST   -

NPAs:

Total Access Lines in: * ALL OF U S WEST   =   0

Percentage Availability of ONA Services By Date for * ALL OF U S WEST

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSA	C2 TypA - X.25 Pkt Sw	Packet Switching (X.25)	.0	.0	.0	.0
BSA	C2 TypB - X.75 Pkt Sw	Packet Switching (X.75)	.0	.0	.0	.0
BSA	Frame Relay Service	Frame Relay Service	.0	.0	.0	.0
BSA	ATM Cell Relay Service	ATM Cell Relay Service	.0	.0	.0	.0
BSA	MegaCentral Service	MegaCentral Service	.0	.0	.0	.0
BSA	C3 TypA - Ded Metallic	Analog PLS-DCCS	.0	.0	.0	.0
BSA	C3 TypB - Ded Telegraph	Analog PLS-LSDS	.0	.0	.0	.0
BSA	C3 TypC - Ded Voice Grd	Analog PLS-VGS	.0	.0	.0	.0
BSA	C3 TypD - Ded Prgm Audio	Analog PLS-AS	.0	.0	.0	.0
BSA	C3 TypE - Ded Video	Analog PLS-VS	.0	.0	.0	.0
BSA	C3 TypF - Ded < 64kbps	Digital Data Service	.0	.0	.0	.0
BSA	C3 TypG - Ded 1.544Mbps	DS1 Service	.0	.0	.0	.0
BSA	C3 TypH - Ded >1.544Mbps	DS3 Service	.0	.0	.0	.0
BSA	C4 - Ded Ntwk Accss Link	Analog PLS	.0	.0	.0	.0
BSA	Data Over Voice (DOV)	Simultaneous Voice/Data	.0	.0	.0	.0
BSA	C3 TypK - Ded 64 kbps	Digital Data Svc-64kbps	.0	.0	.0	.0
BSA	C1 TypA - Ckt Sw Line	Voice Gr Line Ckt Swt'd	.0	.0	.0	.0
BSA	C1 TypB - Ckt Sw Trunk	Voice Gr Trnk Ckt Swt'd	.0	.0	.0	.0
BSA	Coin Ph-Post Dial DTMF	SP & Shared Coin Lines	.0	.0	.0	.0
BSA	Faster Signaling-DID	Called Dir No Deliv(DID)	.0	.0	.0	.0
BSA	555 Access Service	555 Access Service	.0	.0	.0	.0

SUMMARY FOR MARKET AREA: * ALL OF U S WEST   -

NPAs:

Total Access Lines in: * ALL OF U S WEST   =   0

Percentage Availability of ONA Services By Date for * ALL OF U S WEST

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSE	Call Det Recd'g Rpts Pkt	Acc Svc Bill Info (pkt)	.0	.0	.0	.0
BSE	Call Redirection Packet	Backup/Redirection (pkt)	.0	.0	.0	.0
BSE	Closed User Groups Pkt	Closed User Group (pkt)	.0	.0	.0	.0
BSE	Fast Select Accept Pkt	Fast Select Accept (pkt)	.0	.0	.0	.0
BSE	Fast Select Request Pkt	Fast Select Accept (pkt)	.0	.0	.0	.0
BSE	Hunt Groups Packet	Mult Port Hunt Grp (pkt)	.0	.0	.0	.0
BSE	Menu Acs Trans - Gateway	Community Link	.0	.0	.0	.0
BSE	Reverse Chg Accept Pkt	Rev Chg Acceptance (pkt)	.0	.0	.0	.0
BSE	Incoming Cls Barred-Pkt	CUG Inc Acc Barred (pkt)	.0	.0	.0	.0
BSE	Outgoing Cls Barred-Pkt	CUG Out Acc Barred (pkt)	.0	.0	.0	.0
BSE	Flow Contr Param Neg-Pkt	Flow Control Param (pkt)	.0	.0	.0	.0

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSE	Logical Chan Layout-Pkt	Logical Chan Layout(pkt)	.0	.0	.0	.0
BSE	Logical Channels-Pkt	Logical Channel (pkt)	.0	.0	.0	.0
BSE	Mult Ntwk Addr/Port-Pkt	Mult Ntwk Addresses(pkt)	.0	.0	.0	.0
BSE	Default Window Size-Pkt	Non-Std Window Size(pkt)	.0	.0	.0	.0
BSE	Perm Virtual Ckt-Pkt	Perm Virtual Ckt (pkt)	.0	.0	.0	.0
BSE	Rev Chg Req Optn-Pkt	Rev Charge Option (pkt)	.0	.0	.0	.0
BSE	Acc To Clr Ch Transmissn	Clear Channel Capability	.0	.0	.0	.0
BSE	Automatic Protect Swtchg	Automatic Loop Transfer	.0	.0	.0	.0
BSE	Bridging	Bridging	.0	.0	.0	.0
BSE	Conditioning	Private Line Condition	.0	.0	.0	.0
BSE	Secondary Ch Capability	Secondary Channel	.0	.0	.0	.0
BSE	Network Reconfiguration	Command-A-Link	.0	.0	.0	.0
BSE	ANI Forwarding (future)	ANI Forwarding	.0	.0	.0	.0
BSE	Order Entry Service	ANI Order Entry	.0	.0	.0	.0
BSE	Trans Imprv-Ckt Sw Svcs	Improve Trans Perform	.0	.0	.0	.0
BSE	Multiplexing-Digital	Multiplexing	.0	.0	.0	.0
BSE	Call Det Rcdg-NXX Screen	Network Access Service	.0	.0	.0	.0
BSE	Traffic Data Reports	Traffic Data Report Svc	.0	.0	.0	.0
BSE	Alternate Routing	Alt Traffic Routing	.0	.0	.0	.0
BSE	Answer Supv'n Line Side	Ans Supv'n - Line Side	.0	.0	.0	.0
BSE	Call Detail Recrd'g Rpts	Access Svc Billing Info	.0	.0	.0	.0
BSE	Clld DN Deliv via DID	Called Dir No Deliv(DID)	.0	.0	.0	.0
BSE	Flexible ANI	Flexible ANI	.0	.0	.0	.0
BSE	Cllg Bllg Num Deliv FG B	Auto Number ID (FGB)	.0	.0	.0	.0
BSE	Cllg Bllg Num Deliv FG D	Auto Number ID (FGD)	.0	.0	.0	.0
BSE	Cllg DN Deliv via BCLID	Calling No. ID (BCLID)	.0	.0	.0	.0
BSE	Cllg DN Deliv via ICLID	Caller ID - Number	.0	.0	.0	.0
BSE	DID Trunk Queuing	DID Trk Q & Basic Announ	.0	.0	.0	.0
BSE	Make Busy Key	Make Busy	.0	.0	.0	.0
BSE	Message Desk (SMDI)	Message Delivery Service	.0	.0	.0	.0
BSE	MWI Activation (Audible)	Message Delivery Service	.0	.0	.0	.0
BSE	MWI Activation (Visual)	Message Delivery Service	.0	.0	.0	.0
BSE	Multiline Hunt Group	Hunting	.0	.0	.0	.0
BSE	MLHG CO Announcements	Uniform Call Distribut'n	.0	.0	.0	.0
BSE	MLHG Access to Each Port	Hunting	.0	.0	.0	.0
BSE	MLHG Overflow	Hunting	.0	.0	.0	.0
BSE	MLHG UCD Line Hunting	Uniform Call Distribut'n	.0	.0	.0	.0
BSE	MLHG UCD With Queuing	Uniform Call Distribut'n	.0	.0	.0	.0
BSE	Three Way Call Transfer	Call Transfer	.0	.0	.0	.0
BSE	Mssg Desk Expand (SMDIE)	Msg Del Svc (Interoffice	.0	.0	.0	.0
BSE	MWI Act (Audible) Expand	Msg Del Svc (Interoffice	.0	.0	.0	.0
BSE	MWI Act (Visual) Expand	Msg Del Svc (Interoffice	.0	.0	.0	.0
BSE	Mplx-T1-1.544Mbps-Line	Interface Group 6	.0	.0	.0	.0
BSE	Remote Call Forwarding	Market Expansion Line	.0	.0	.0	.0
BSE	Three Way Calling	Three Way Calling	.0	.0	.0	.0
BSE	Dial Call Waiting	Dial Call Waiting	.0	.0	.0	.0
BSE	Distinctive Alert	Distinctive Alert	.0	.0	.0	.0
BSE	Dir Call Pickup w/oBarge	Dir Call PU w/o Barge-In	.0	.0	.0	.0
BSE	Dir Call Pickup w/Barge	Dir Call PU w/ Barge-In	.0	.0	.0	.0
BSE	Call Transfer on DID	DID 2-Way Call Transfer	.0	.0	.0	.0

SUMMARY FOR MARKET AREA: * ALL OF U S WEST   -

NPAs:

Total Access Lines in: * ALL OF U S WEST   =   0

Percentage Availability of ONA Services By Date for * ALL OF U S WEST

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
CNS	Direct Call Packet	Auto Call (Packet)	.0	.0	.0	.0
CNS	Abbreviated Call-Packet	Abbreviated Call (pkt)	.0	.0	.0	.0
CNS	Derived Ch (Monitoring)	Scan Alert	.0	.0	.0	.0
CNS	Ver Intgrty Subscr Lines	Scan Alert	.0	.0	.0	.0
CNS	Automatic Callback	Continuous Redial	.0	.0	.0	.0
CNS	Automatic Recall	Last Call Return	.0	.0	.0	.0
CNS	CFBL Intraswitch	Call Fwd'ing Busy Line	.0	.0	.0	.0
CNS	CFBL Interswitch	Call Fwd Busy Line (Exp)	.0	.0	.0	.0
CNS	CFBL/DA Cust Act/Deact	Call Fwd BL, Cust Prog	.0	.0	.0	.0
CNS	CFBL/DA Cust Fwd To No.	Call Fwd DA, Cust Prog	.0	.0	.0	.0
CNS	CFDA Intraswitch	Call Fwd'ing Don't Ans	.0	.0	.0	.0
CNS	CFDA Interswitch	Call Fwd Don't Ans (Exp)	.0	.0	.0	.0
CNS	CF Mult Sim Call Intersw	Call Fwd'ing Variable	.0	.0	.0	.0
CNS	CF Variable	Call Fwd'ing Variable	.0	.0	.0	.0
CNS	CF Var Act w/o Crtsy Cal	Call Fwd Var w/o Compl	.0	.0	.0	.0
CNS	CF Var Remote Act/Cntrol	Rem Access Fwd'ing	.0	.0	.0	.0
CNS	Call Waiting Cancel	Call Waiting	.0	.0	.0	.0
CNS	CFDA After CW	Call Waiting	.0	.0	.0	.0
CNS	Cust Originated Trace	Call Trace	.0	.0	.0	.0
CNS	Distinctive Ringing	Priority Call	.0	.0	.0	.0
CNS	Dist Ring Term Screen	Custom Ringing	.0	.0	.0	.0
CNS	Hot Line	Hot Line	.0	.0	.0	.0
CNS	MWI ATR Audible Msg Wtg	Msg Wtg Indic'n-Audible	.0	.0	.0	.0
CNS	MWI ATR Visual Msg Wtg	Msg Wtg Indic'n-Visual	.0	.0	.0	.0
CNS	Selective Call Forward'g	Selective Call Fwd'ing	.0	.0	.0	.0
CNS	Selective Call Rejection	Call Rejection	.0	.0	.0	.0
CNS	Shared Speed Calling	Abbr Acc/Act (1-2 Digit)	.0	.0	.0	.0
CNS	Speed Calling	Speed Calling (8 No)	.0	.0	.0	.0
CNS	Warm Line	Warm Line	.0	.0	.0	.0
CNS	CFBL & CFDA Intraswitch	Call Fwd Busy Line/DA	.0	.0	.0	.0
CNS	Custom Ring'g-CF(future)	Custom Ringing-Call Fwd	.0	.0	.0	.0
CNS	Dual Tel Coverage(future	Dual Telephone Coverage	.0	.0	.0	.0
CNS	CFDA To DID Intraswitch	Expanded Answer	.0	.0	.0	.0
CNS	CFBL & CFDA Interswitch	Call Fwd'ing BL/DA (Exp)	.0	.0	.0	.0
CNS	Speed Calling (30 No)	Speed Calling (30 No)	.0	.0	.0	.0
CNS	MWI Audible/Visual	MWI ATR Aud/Vis	.0	.0	.0	.0

SUMMARY FOR MARKET AREA: PHOENIX   - ARIZONA

NPAs: 602

Total Access Lines in: PHOENIX   =   1671438

Percentage Availability of ONA Services By Date for PHOENIX

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSA	C2 TypA - X.25 Pkt Sw	Packet Switching (X.25)	100.0	100.0	100.0	100.0
BSA	C2 TypB - X.75 Pkt Sw	Packet Switching (X.75)	100.0	100.0	100.0	100.0
BSA	Frame Relay Service	Frame Relay Service	100.0	100.0	100.0	100.0
BSA	ATM Cell Relay Service	ATM Cell Relay Service	100.0	100.0	100.0	100.0
BSA	MegaCentral Service	MegaCentral Service	100.0	100.0	100.0	100.0
BSA	C3 TypA - Ded Metallic	Analog PLS-DCCS	100.0	100.0	100.0	100.0
BSA	C3 TypB - Ded Telegraph	Analog PLS-LSDS	100.0	100.0	100.0	100.0
BSA	C3 TypC - Ded Voice Grd	Analog PLS-VGS	100.0	100.0	100.0	100.C
BSA	C3 TypD - Ded Prgm Audio	Analog PLS-AS	100.0	100.0	100.0	100.0
BSA	C3 TypE - Ded Video	Analog PLS-VS	100.0	100.0	100.0	100.0
BSA	C3 TypF - Ded < 64kbps	Digital Data Service	100.0	100.0	100.0	100.0
BSA	C3 TypG - Ded 1.544Mbps	DS1 Service	100.0	100.0	100.0	100.0
BSA	C3 TypH - Ded >1.544Mbps	DS3 Service	100.0	100.0	100.0	100.0
BSA	C4 - Ded Ntwk Accss Link	Analog PLS	100.0	100.0	100.0	100.0
BSA	Data Over Voice (DOV)	Simultaneous Voice/Data	100.0	100.0	100.0	100.0
BSA	C3 TypK - Ded 64 kbps	Digital Data Svc-64kbps	100.0	100.0	100.0	100.0
BSA	C1 TypA - Ckt Sw Line	Voice Gr Line Ckt Swt'd	100.0	100.0	100.0	100.0
BSA	C1 TypB - Ckt Sw Trunk	Voice Gr Trnk Ckt Swt'd	100.0	100.0	100.0	100.0
BSA	Coin Ph-Post Dial DTMF	SP & Shared Coin Lines	100.0	100.0	100.0	100.0
BSA	Faster Signaling-DID	Called Dir No Deliv(DID)	100.0	100.0	100.0	100.0
BSA	555 Access Service	555 Access Service	100.0	100.0	100.0	100.0

SUMMARY FOR MARKET AREA: PHOENIX   - ARIZONA

NPAs: 602

Total Access Lines in: PHOENIX   =   1671438

Percentage Availability of ONA Services By Date for PHOENIX

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSE	Call Det Recd'g Rpts Pkt	Acc Svc Bill Info (pkt)	100.0	100.0	100.0	100.0
BSE	Call Redirection Packet	Backup/Redirection (pkt)	100.0	100.0	100.0	100.0
BSE	Closed User Groups Pkt	Closed User Group (pkt)	100.0	100.0	100.0	100.0
BSE	Fast Select Accept Pkt	Fast Select Accept (pkt)	100.0	100.0	100.0	100.0
BSE	Fast Select Request Pkt	Fast Select Accept (pkt)	100.0	100.0	100.0	100.0
BSE	Hunt Groups Packet	Mult Port Hunt Grp (pkt)	100.0	100.0	100.0	100.0
BSE	Menu Acs Trans - Gateway	Community Link	.0	.0	.0	.0
BSE	Reverse Chg Accept Pkt	Rev Chg Acceptance (pkt)	100.0	100.0	100.0	100.0
BSE	Incoming Cls Barred-Pkt	CUG Inc Acc Barred (pkt)	100.0	100.0	100.0	100.0
BSE	Outgoing Cls Barred-Pkt	CUG Out Acc Barred (pkt)	100.0	100.0	100.0	100.0
BSE	Flow Contr Param Neg-Pkt	Flow Control Param (pkt)	100.0	100.0	100.0	100.0

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSE	Logical Chan Layout-Pkt	Logical Chan Layout(pkt)	100.0	100.0	100.0	100.0
BSE	Logical Channels-Pkt	Logical Channel (pkt)	100.0	100.0	100.0	100.0
BSE	Mult Ntwk Addr/Port-Pkt	Mult Ntwk Addresses(pkt)	100.0	100.0	100.0	100.0
BSE	Default Window Size-Pkt	Non-Std Window Size(pkt)	100.0	100.0	100.0	100.0
BSE	Perm Virtual Ckt-Pkt	Perm Virtual Ckt (pkt)	100.0	100.0	100.0	100.0
BSE	Rev Chg Req Optn-Pkt	Rev Charge Option (pkt)	100.0	100.0	100.0	100.0
BSE	Acc To Clr Ch Transmissn	Clear Channel Capability	100.0	100.0	100.0	100.0
BSE	Automatic Protect Swtchg	Automatic Loop Transfer	100.0	100.0	100.0	100.0
BSE	Bridging	Bridging	100.0	100.0	100.0	100.0
BSE	Conditioning	Private Line Condition	100.0	100.0	100.0	100.0
BSE	Secondary Ch Capability	Secondary Channel	100.0	100.0	100.0	100.0
BSE	Network Reconfiguration	Command-A-Link	100.0	100.0	100.0	100.0
BSE	ANI Forwarding (future)	ANI Forwarding	.0	.0	.0	.0
BSE	Order Entry Service	ANI Order Entry	100.0	100.0	100.0	100.0
BSE	Trans Imprv-Ckt Sw Svcs	Improve Trans Perform	100.0	100.0	100.0	100.0
BSE	Multiplexing-Digital	Multiplexing	100.0	100.0	100.0	100.0
BSE	Call Det Rcdg-NXX Screen	Network Access Service	100.0	100.0	100.0	100.0
BSE	Traffic Data Reports	Traffic Data Report Svc	100.0	100.0	100.0	100.0
BSE	Alternate Routing	Alt Traffic Routing	100.0	100.0	100.0	100.0
BSE	Answer Supv'n Line Side	Ans Supv'n - Line Side	11.1	11.1	11.1	11.1
BSE	Call Detail Recrd'g Rpts	Access Svc Billing Info	100.0	100.0	100.0	100.0
BSE	Clld DN Deliv via DID	Called Dir No Deliv(DID)	100.0	100.0	100.0	100.0
BSE	Flexible ANI	Flexible ANI	35.2	31.9	31.9	31.9
BSE	Cllg Bllg Num Deliv FG B	Auto Number ID (FGB)	100.0	100.0	100.0	100.0
BSE	Cllg Bllg Num Deliv FG D	Auto Number ID (FGD)	100.0	100.0	100.0	100.0
BSE	Cllg DN Deliv via BCLID	Calling No. ID (BCLID)	24.3	20.9	20.9	20.9
BSE	Cllg DN Deliv via ICLID	Caller ID - Number	99.9	99.9	99.9	99.9
BSE	DID Trunk Queuing	DID Trk Q & Basic Announ	24.3	20.9	20.9	20.9
BSE	Make Busy Key	Make Busy	99.9	99.9	99.9	99.9
BSE	Message Desk (SMDI)	Message Delivery Service	100.0	96.0	96.0	96.0
BSE	MWI Activation (Audible)	Message Delivery Service	100.0	96.0	96.0	96.0
BSE	MWI Activation (Visual)	Message Delivery Service	100.0	96.0	96.0	96.0
BSE	Multiline Hunt Group	Hunting	100.0	100.0	100.0	100.0
BSE	MLHG CO Announcements	Uniform Call Distribut'n	99.9	99.9	99.9	99.9
BSE	MLHG Access to Each Port	Hunting	100.0	100.0	100.0	100.0
BSE	MLHG Overflow	Hunting	100.0	100.0	100.0	100.0
BSE	MLHG UCD Line Hunting	Uniform Call Distribut'n	99.9	99.9	99.9	99.9
BSE	MLHG UCD With Queuing	Uniform Call Distribut'n	99.9	99.9	99.9	99.9
BSE	Three Way Call Transfer	Call Transfer	100.0	100.0	100.0	100.0
BSE	Mssg Desk Expand (SMDIE)	Msg Del Svc (Interoffice	100.0	96.0	96.0	96.0
BSE	MWI Act (Audible) Expand	Msg Del Svc (Interoffice	100.0	96.0	96.0	96.0
BSE	MWI Act (Visual) Expand	Msg Del Svc (Interoffice	100.0	96.0	96.0	96.0
BSE	Mplx-T1-1.544Mbps-Line	Interface Group 6	100.0	100.0	100.0	100.0
BSE	Remote Call Forwarding	Market Expansion Line	100.0	100.0	100.0	100.0
BSE	Three Way Calling	Three Way Calling	100.0	100.0	100.0	100.0
BSE	Dial Call Waiting	Dial Call Waiting	64.8	68.1	68.1	68.1
BSE	Distinctive Alert	Distinctive Alert	64.6	68.0	68.0	68.0
BSE	Dir Call Pickup w/oBarge	Dir Call PU w/o Barge-In	75.7	79.1	79.1	79.1
BSE	Dir Call Pickup w/Barge	Dir Call PU w/ Barge-In	75.7	79.1	79.1	79.1
BSE	Call Transfer on DID	DID 2-Way Call Transfer	88.9	88.9	88.9	88.9

SUMMARY FOR MARKET AREA: PHOENIX   - ARIZONA

NPAs: 602

Total Access Lines in: PHOENIX   =   1671438

Percentage Availability of ONA Services By Date for PHOENIX

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
CNS	Direct Call Packet	Auto Call (Packet)	100.0	100.0	100.0	100.0
CNS	Abbreviated Call-Packet	Abbreviated Call (pkt)	100.0	100.0	100.0	100.0
CNS	Derived Ch (Monitoring)	Scan Alert	100.0	100.0	100.0	100.0
CNS	Ver Intgrty Subscr Lines	Scan Alert	100.0	100.0	100.0	100.0
CNS	Automatic Callback	Continuous Redial	100.0	100.0	100.0	100.0
CNS	Automatic Recall	Last Call Return	100.0	100.0	100.0	100.0
CNS	CFBL Intraswitch	Call Fwd'ing Busy Line	100.0	100.0	100.0	100.0
CNS	CFBL Interswitch	Call Fwd Busy Line (Exp)	100.0	100.0	100.0	100.0
CNS	CFBL/DA Cust Act/Deact	Call Fwd BL, Cust Prog	100.0	100.0	100.0	100.0
CNS	CFBL/DA Cust Fwd To No.	Call Fwd DA, Cust Prog	100.0	100.0	100.0	100.0
CNS	CFDA Intraswitch	Call Fwd'ing Don't Ans	100.0	100.0	100.0	100.0
CNS	CFDA Interswitch	Call Fwd Don't Ans (Exp)	100.0	100.0	100.0	100.0
CNS	CF Mult Sim Call Intersw	Call Fwd'ing Variable	100.0	100.0	100.0	100.0
CNS	CF Variable	Call Fwd'ing Variable	100.0	100.0	100.0	100.0
CNS	CF Var Act w/o Crtsy Cal	Call Fwd Var w/o Compl	64.6	68.0	68.0	68.0
CNS	CF Var Remote Act/Cntrol	Rem Access Fwd'ing	100.0	100.0	100.0	100.0
CNS	Call Waiting Cancel	Call Waiting	100.0	100.0	100.0	100.0
CNS	CFDA After CW	Call Waiting	99.9	99.9	99.9	99.9
CNS	Cust Originated Trace	Call Trace	100.0	100.0	100.0	100.0
CNS	Distinctive Ringing	Priority Call	100.0	100.0	100.0	100.0
CNS	Dist Ring Term Screen	Custom Ringing	99.9	99.9	99.9	99.9
CNS	Hot Line	Hot Line	100.0	100.0	100.0	100.0
CNS	MWI ATR Audible Msg Wtg	Msg Wtg Indic'n-Audible	99.9	95.9	95.9	95.9
CNS	MWI ATR Visual Msg Wtg	Msg Wtg Indic'n-Visual	99.9	95.9	95.9	95.9
CNS	Selective Call Forward'g	Selective Call Fwd'ing	100.0	100.0	100.0	100.0
CNS	Selective Call Rejection	Call Rejection	100.0	100.0	100.0	100.0
CNS	Shared Speed Calling	Abbr Acc/Act (1-2 Digit)	99.9	99.9	99.9	99.9
CNS	Speed Calling	Speed Calling (8 No)	100.0	100.0	100.0	100.0
CNS	Warm Line	Warm Line	11.1	11.1	11.1	11.1
CNS	CFBL & CFDA Intraswitch	Call Fwd Busy Line/DA	100.0	100.0	100.0	100.0
CNS	Custom Ring'g-CF(future)	Custom Ringing-Call Fwd	.0	.0	.0	.0
CNS	Dual Tel Coverage(future	Dual Telephone Coverage	.0	.0	.0	.0
CNS	CFDA To DID Intraswitch	Expanded Answer	24.3	20.9	20.9	20.9
CNS	CFBL & CFDA Interswitch	Call Fwd'ing BL/DA (Exp)	100.0	100.0	100.0	100.0
CNS	Speed Calling (30 No)	Speed Calling (30 No)	100.0	100.0	100.0	100.0
CNS	MWI Audible/Visual	MWI ATR Aud/Vis	100.0	96.0	96.0	96.0

SUMMARY FOR MARKET AREA: TUCSON   - ARIZONA

NPAs: 520

Total Access Lines in: TUCSON   =   427727

Percentage Availability of ONA Services By Date for TUCSON

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSA	C2 TypA - X.25 Pkt Sw	Packet Switching (X.25)	100.0	100.0	100.0	100.0
BSA	C2 TypB - X.75 Pkt Sw	Packet Switching (X.75)	100.0	100.0	100.0	100.0
BSA	Frame Relay Service	Frame Relay Service	100.0	100.0	100.0	100.0
BSA	ATM Cell Relay Service	ATM Cell Relay Service	100.0	100.0	100.0	100.0
BSA	MegaCentral Service	MegaCentral Service	100.0	100.0	100.0	100.0
BSA	C3 TypA - Ded Metallic	Analog PLS-DCCS	100.0	100.0	100.0	100.0
BSA	C3 TypB - Ded Telegraph	Analog PLS-LSDS	100.0	100.0	100.0	100.0
BSA	C3 TypC - Ded Voice Grd	Analog PLS-VGS	100.0	100.0	100.0	100.0
BSA	C3 TypD - Ded Prgm Audio	Analog PLS-AS	100.0	100.0	100.0	100.0
BSA	C3 TypE - Ded Video	Analog PLS-VS	100.0	100.0	100.0	100.0
BSA	C3 TypF - Ded < 64kbps	Digital Data Service	100.0	100.0	100.0	100.0
BSA	C3 TypG - Ded 1.544Mbps	DS1 Service	100.0	100.0	100.0	100.0
BSA	C3 TypH - Ded >1.544Mbps	DS3 Service	100.0	100.0	100.0	100.0
BSA	C4 - Ded Ntwk Accss Link	Analog PLS	100.0	100.0	100.0	100.0
BSA	Data Over Voice (DOV)	Simultaneous Voice/Data	100.0	100.0	100.0	100.0
BSA	C3 TypK - Ded 64 kbps	Digital Data Svc-64kbps	100.0	100.0	100.0	100.0
BSA	C1 TypA - Ckt Sw Line	Voice Gr Line Ckt Swt'd	100.0	100.0	100.0	100.0
BSA	C1 TypB - Ckt Sw Trunk	Voice Gr Trnk Ckt Swt'd	100.0	100.0	100.0	100.0
BSA	Coin Ph-Post Dial DTMF	SP & Shared Coin Lines	100.0	100.0	100.0	100.0
BSA	Faster Signaling-DID	Called Dir No Deliv(DID)	100.0	100.0	100.0	100.0
BSA	555 Access Service	555 Access Service	100.0	100.0	100.0	100.0

SUMMARY FOR MARKET AREA: TUCSON   - ARIZONA

NPAs: 520

Total Access Lines in: TUCSON   =   427727

Percentage Availability of ONA Services By Date for TUCSON

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSE	Call Det Recd'g Rpts Pkt	Acc Svc Bill Info (pkt)	100.0	100.0	100.0	100.0
BSE	Call Redirection Packet	Backup/Redirection (pkt)	100.0	100.0	100.0	100.0
BSE	Closed User Groups Pkt	Closed User Group (pkt)	100.0	100.0	100.0	100.0
BSE	Fast Select Accept Pkt	Fast Select Accept (pkt)	100.0	100.0	100.0	100.0
BSE	Fast Select Request Pkt	Fast Select Accept (pkt)	100.0	100.0	100.0	100.0
BSE	Hunt Groups Packet	Mult Port Hunt Grp (pkt)	100.0	100.0	100.0	100.0
BSE	Menu Acs Trans - Gateway	Community Link	.0	.0	.0	.0
BSE	Reverse Chg Accept Pkt	Rev Chg Acceptance (pkt)	100.0	100.0	100.0	100.0
BSE	Incoming Cls Barred-Pkt	CUG Inc Acc Barred (pkt)	100.0	100.0	100.0	100.0
BSE	Outgoing Cls Barred-Pkt	CUG Out Acc Barred (pkt)	100.0	100.0	100.0	100.0
BSE	Flow Contr Param Neg-Pkt	Flow Control Param (pkt)	100.0	100.0	100.0	100.0

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSE	Logical Chan Layout-Pkt	Logical Chan Layout(pkt)	100.0	100.0	100.0	100.0
BSE	Logical Channels-Pkt	Logical Channel (pkt)	100.0	100.0	100.0	100.0
BSE	Mult Ntwk Addr/Port-Pkt	Mult Ntwk Addresses(pkt)	100.0	100.0	100.0	100.0
BSE	Default Window Size-Pkt	Non-Std Window Size(pkt)	100.0	100.0	100.0	100.0
BSE	Perm Virtual Ckt-Pkt	Perm Virtual Ckt (pkt)	100.0	100.0	100.0	100.0
BSE	Rev Chg Req Optn-Pkt	Rev Charge Option (pkt)	100.0	100.0	100.0	100.0
BSE	Acc To Clr Ch Transmissn	Clear Channel Capability	100.0	100.0	100.0	100.0
BSE	Automatic Protect Swtchg	Automatic Loop Transfer	100.0	100.0	100.0	100.0
BSE	Bridging	Bridging	100.0	100.0	100.0	100.0
BSE	Conditioning	Private Line Condition	100.0	100.0	100.0	100.0
BSE	Secondary Ch Capability	Secondary Channel	100.0	100.0	100.0	100.0
BSE	Network Reconfiguration	Command-A-Link	100.0	100.0	100.0	100.0
BSE	ANI Forwarding (future)	ANI Forwarding	.0	.0	.0	.0
BSE	Order Entry Service	ANI Order Entry	100.0	100.0	100.0	100.0
BSE	Trans Imprv-Ckt Sw Svcs	Improve Trans Perform	100.0	100.0	100.0	100.0
BSE	Multiplexing-Digital	Multiplexing	100.0	100.0	100.0	100.0
BSE	Call Det Rcdg-NXX Screen	Network Access Service	100.0	100.0	100.0	100.0
BSE	Traffic Data Reports	Traffic Data Report Svc	100.0	100.0	100.0	100.0
BSE	Alternate Routing	Alt Traffic Routing	100.0	100.0	100.0	100.0
BSE	Answer Supv'n Line Side	Ans Supv'n - Line Side	20.7	36.4	36.4	36.4
BSE	Call Detail Recrd'g Rpts	Access Svc Billing Info	100.0	100.0	100.0	100.0
BSE	Clld DN Deliv via DID	Called Dir No Deliv(DID)	100.0	100.0	100.0	100.0
BSE	Flexible ANI	Flexible ANI	63.1	63.1	63.1	63.1
BSE	Cllg Bllg Num Deliv FG B	Auto Number ID (FGB)	100.0	100.0	100.0	100.0
BSE	Cllg Bllg Num Deliv FG D	Auto Number ID (FGD)	100.0	100.0	100.0	100.0
BSE	Cllg DN Deliv via BCLID	Calling No. ID (BCLID)	42.4	26.7	26.7	26.7
BSE	Cllg DN Deliv via ICLID	Caller ID - Number	100.0	100.0	100.0	100.0
BSE	DID Trunk Queuing	DID Trk Q & Basic Announ	42.4	26.7	26.7	26.7
BSE	Make Busy Key	Make Busy	100.0	100.0	100.0	100.0
BSE	Message Desk (SMDI)	Message Delivery Service	100.0	100.0	100.0	100.0
BSE	MWI Activation (Audible)	Message Delivery Service	100.0	100.0	100.0	100.0
BSE	MWI Activation (Visual)	Message Delivery Service	100.0	100.0	100.0	100.0
BSE	Multiline Hunt Group	Hunting	100.0	100.0	100.0	100.0
BSE	MLHG CO Announcements	Uniform Call Distribut'n	100.0	100.0	100.0	100.0
BSE	MLHG Access to Each Port	Hunting	100.0	100.0	100.0	100.0
BSE	MLHG Overflow	Hunting	100.0	100.0	100.0	100.0
BSE	MLHG UCD Line Hunting	Uniform Call Distribut'n	100.0	100.0	100.0	100.0
BSE	MLHG UCD With Queuing	Uniform Call Distribut'n	100.0	100.0	100.0	100.0
BSE	Three Way Call Transfer	Call Transfer	100.0	100.0	100.0	100.0
BSE	Mssg Desk Expand (SMDIE)	Msg Del Svc (Interoffice	100.0	100.0	100.0	100.0
BSE	MWI Act (Audible) Expand	Msg Del Svc (Interoffice	100.0	100.0	100.0	100.0
BSE	MWI Act (Visual) Expand	Msg Del Svc (Interoffice	100.0	100.0	100.0	100.0
BSE	Mplx-T1-1.544Mbps-Line	Interface Group 6	100.0	100.0	100.0	100.0
BSE	Remote Call Forwarding	Market Expansion Line	100.0	100.0	100.0	100.0
BSE	Three Way Calling	Three Way Calling	100.0	100.0	100.0	100.0
BSE	Dial Call Waiting	Dial Call Waiting	36.9	36.9	36.9	36.9
BSE	Distinctive Alert	Distinctive Alert	36.9	36.9	36.9	36.9
BSE	Dir Call Pickup w/oBarge	Dir Call PU w/o Barge-In	57.6	73.3	73.3	73.3
BSE	Dir Call Pickup w/Barge	Dir Call PU w/ Barge-In	57.6	73.3	73.3	73.3
BSE	Call Transfer on DID	DID 2-Way Call Transfer	79.3	63.6	63.6	63.6

SUMMARY FOR MARKET AREA: TUCSON   - ARIZONA

NPAs: 520

Total Access Lines in: TUCSON   =   427727

Percentage Availability of ONA Services By Date for TUCSON

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
CNS	Direct Call Packet	Auto Call (Packet)	100.0	100.0	100.0	100.0
CNS	Abbreviated Call-Packet	Abbreviated Call (pkt)	100.0	100.0	100.0	100.0
CNS	Derived Ch (Monitoring)	Scan Alert	.0	.0	.0	.0
CNS	Ver Intgrty Subscr Lines	Scan Alert	.0	.0	.0	.0
CNS	Automatic Callback	Continuous Redial	100.0	100.0	100.0	100.0
CNS	Automatic Recall	Last Call Return	100.0	100.0	100.0	100.0
CNS	CFBL Intraswitch	Call Fwd'ing Busy Line	100.0	100.0	100.0	100.0
CNS	CFBL Interswitch	Call Fwd Busy Line (Exp)	100.0	100.0	100.0	100.0
CNS	CFBL/DA Cust Act/Deact	Call Fwd BL, Cust Prog	100.0	100.0	100.0	100.0
CNS	CFBL/DA Cust Fwd To No.	Call Fwd DA, Cust Prog	100.0	100.0	100.0	100.0
CNS	CFDA Intraswitch	Call Fwd'ing Don't Ans	100.0	100.0	100.0	100.0
CNS	CFDA Interswitch	Call Fwd Don't Ans (Exp)	100.0	100.0	100.0	100.0
CNS	CF Mult Sim Call Intersw	Call Fwd'ing Variable	100.0	100.0	100.0	100.0
CNS	CF Variable	Call Fwd'ing Variable	100.0	100.0	100.0	100.0
CNS	CF Var Act w/o Crtsy Cal	Call Fwd Var w/o Compl	36.9	36.9	36.9	36.9
CNS	CF Var Remote Act/Cntrol	Rem Access Fwd'ing	100.0	100.0	100.0	100.0
CNS	Call Waiting Cancel	Call Waiting	100.0	100.0	100.0	100.0
CNS	CFDA After CW	Call Waiting	100.0	100.0	100.0	100.0
CNS	Cust Originated Trace	Call Trace	100.0	100.0	100.0	100.0
CNS	Distinctive Ringing	Priority Call	100.0	100.0	100.0	100.0
CNS	Dist Ring Term Screen	Custom Ringing	100.0	100.0	100.0	100.0
CNS	Hot Line	Hot Line	100.0	100.0	100.0	100.0
CNS	MWI ATR Audible Msg Wtg	Msg Wtg Indic'n-Audible	100.0	100.0	100.0	100.0
CNS	MWI ATR Visual Msg Wtg	Msg Wtg Indic'n-Visual	100.0	100.0	100.0	100.0
CNS	Selective Call Forward'g	Selective Call Fwd'ing	100.0	100.0	100.0	100.0
CNS	Selective Call Rejection	Call Rejection	100.0	100.0	100.0	100.0
CNS	Shared Speed Calling	Abbr Acc/Act (1-2 Digit)	100.0	100.0	100.0	100.0
CNS	Speed Calling	Speed Calling (8 No)	100.0	100.0	100.0	100.0
CNS	Warm Line	Warm Line	20.7	36.4	36.4	36.4
CNS	CFBL & CFDA Intraswitch	Call Fwd Busy Line/DA	100.0	100.0	100.0	100.0
CNS	Custom Ring'g-CF(future)	Custom Ringing-Call Fwd	.0	.0	.0	.0
CNS	Dual Tel Coverage(future	Dual Telephone Coverage	.0	.0	.0	.0
CNS	CFDA To DID Intraswitch	Expanded Answer	42.4	26.7	26.7	26.7
CNS	CFBL & CFDA Interswitch	Call Fwd'ing BL/DA (Exp)	100.0	100.0	100.0	100.0
CNS	Speed Calling (30 No)	Speed Calling (30 No)	100.0	100.0	100.0	100.0
CNS	MWI Audible/Visual	MWI ATR Aud/Vis	100.0	100.0	100.0	100.0

SUMMARY FOR MARKET AREA: YUMA   - ARIZONA

NPAs: 520

Total Access Lines in: YUMA   =   68602

Percentage Availability of ONA Services By Date for YUMA

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSA	C2 TypA - X.25 Pkt Sw	Packet Switching (X.25)	.0	.0	.0	.0
BSA	C2 TypB - X.75 Pkt Sw	Packet Switching (X.75)	.0	.0	.0	.0
BSA	Frame Relay Service	Frame Relay Service	.0	.0	.0	.0
BSA	ATM Cell Relay Service	ATM Cell Relay Service	.0	.0	.0	.0
BSA	MegaCentral Service	MegaCentral Service	.0	.0	.0	.0
BSA	C3 TypA - Ded Metallic	Analog PLS-DCCS	100.0	100.0	100.0	100.0
BSA	C3 TypB - Ded Telegraph	Analog PLS-LSDS	100.0	100.0	100.0	100.0
BSA	C3 TypC - Ded Voice Grd	Analog PLS-VGS	100.0	100.0	100.0	100.0
BSA	C3 TypD - Ded Prgm Audio	Analog PLS-AS	100.0	100.0	100.0	100.0
BSA	C3 TypE - Ded Video	Analog PLS-VS	100.0	100.0	100.0	100.0
BSA	C3 TypF - Ded < 64kbps	Digital Data Service	100.0	100.0	100.0	100.0
BSA	C3 TypG - Ded 1.544Mbps	DS1 Service	100.0	100.0	100.0	100.0
BSA	C3 TypH - Ded >1.544Mbps	DS3 Service	100.0	100.0	100.0	100.0
BSA	C4 - Ded Ntwk Accss Link	Analog PLS	100.0	100.0	100.0	100.0
BSA	Data Over Voice (DOV)	Simultaneous Voice/Data	100.0	100.0	100.0	100.0
BSA	C3 TypK - Ded 64 kbps	Digital Data Svc-64kbps	100.0	100.0	100.0	100.0
BSA	C1 TypA - Ckt Sw Line	Voice Gr Line Ckt Swt'd	100.0	100.0	100.0	100.0
BSA	C1 TypB - Ckt Sw Trunk	Voice Gr Trnk Ckt Swt'd	100.0	100.0	100.0	100.0
BSA	Coin Ph-Post Dial DTMF	SP & Shared Coin Lines	100.0	100.0	100.0	100.0
BSA	Faster Signaling-DID	Called Dir No Deliv(DID)	100.0	100.0	100.0	100.0
BSA	555 Access Service	555 Access Service	100.0	100.0	100.0	100.0

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSE	Call Det Recd'g Rpts Pkt	Acc Svc Bill Info (pkt)	.0	.0	.0	.0
BSE	Call Redirection Packet	Backup/Redirection (pkt)	.0	.0	.0	.0
BSE	Closed User Groups Pkt	Closed User Group (pkt)	.0	.0	.0	.0
BSE	Fast Select Accept Pkt	Fast Select Accept (pkt)	.0	.0	.0	.0
BSE	Fast Select Request Pkt	Fast Select Accept (pkt)	.0	.0	.0	.0
BSE	Hunt Groups Packet	Mult Port Hunt Grp (pkt)	.0	.0	.0	.0
BSE	Menu Acs Trans - Gateway	Community Link	.0	.0	.0	.0
BSE	Reverse Chg Accept Pkt	Rev Chg Acceptance (pkt)	.0	.0	.0	.0
BSE	Incoming Cls Barred-Pkt	CUG Inc Acc Barred (pkt)	.0	.0	.0	.0
BSE	Outgoing Cls Barred-Pkt	CUG Out Acc Barred (pkt)	.0	.0	.0	.0
BSE	Flow Contr Param Neg-Pkt	Flow Control Param (pkt)	.0	.0	.0	.0

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSE	Logical Chan Layout-Pkt	Logical Chan Layout(pkt)	.0	.0	.0	.0
BSE	Logical Channels-Pkt	Logical Channel (pkt)	.0	.0	.0	.0
BSE	Mult Ntwk Addr/Port-Pkt	Mult Ntwk Addresses(pkt)	.0	.0	.0	.0
BSE	Default Window Size-Pkt	Non-Std Window Size(pkt)	.0	.0	.0	.0
BSE	Perm Virtual Ckt-Pkt	Perm Virtual Ckt (pkt)	.0	.0	.0	.0
BSE	Rev Chg Req Optn-Pkt	Rev Charge Option (pkt)	.0	.0	.0	.0
BSE	Acc To Clr Ch Transmissn	Clear Channel Capability	100.0	100.0	100.0	100.0
BSE	Automatic Protect Swtchg	Automatic Loop Transfer	100.0	100.0	100.0	100.0
BSE	Bridging	Bridging	100.0	100.0	100.0	100.0
BSE	Conditioning	Private Line Condition	100.0	100.0	100.0	100.0
BSE	Secondary Ch Capability	Secondary Channel	100.0	100.0	100.0	100.0
BSE	Network Reconfiguration	Command-A-Link	.0	.0	.0	.0
BSE	ANI Forwarding (future)	ANI Forwarding	.0	.0	.0	.0
BSE	Order Entry Service	ANI Order Entry	100.0	100.0	100.0	100.0
BSE	Trans Imprv-Ckt Sw Svcs	Improve Trans Perform	100.0	100.0	100.0	100.0
BSE	Multiplexing-Digital	Multiplexing	100.0	100.0	100.0	100.0
BSE	Call Det Rcdg-NXX Screen	Network Access Service	100.0	100.0	100.0	100.0
BSE	Traffic Data Reports	Traffic Data Report Svc	100.0	100.0	100.0	100.0
BSE	Alternate Routing	Alt Traffic Routing	100.0	100.0	100.0	100.0
BSE	Answer Supv'n Line Side	Ans Supv'n - Line Side	100.0	100.0	100.0	100.0
BSE	Call Detail Recrd'g Rpts	Access Svc Billing Info	100.0	100.0	100.0	100.0
BSE	Clld DN Deliv via DID	Called Dir No Deliv(DID)	100.0	100.0	100.0	100.0
BSE	Flexible ANI	Flexible ANI	100.0	100.0	100.0	100.0
BSE	Cllg Bllg Num Deliv FG B	Auto Number ID (FGB)	100.0	100.0	100.0	100.0
BSE	Cllg Bllg Num Deliv FG D	Auto Number ID (FGD)	100.0	100.0	100.0	100.0
BSE	Cllg DN Deliv via BCLID	Calling No. ID (BCLID)	.0	.0	.0	.0
BSE	Cllg DN Deliv via ICLID	Caller ID - Number	100.0	100.0	100.0	100.0
BSE	DID Trunk Queuing	DID Trk Q & Basic Announ	.0	.0	.0	.0
BSE	Make Busy Key	Make Busy	100.0	100.0	100.0	100.0
BSE	Message Desk (SMDI)	Message Delivery Service	100.0	100.0	100.0	100.0
BSE	MWI Activation (Audible)	Message Delivery Service	100.0	100.0	100.0	100.0
BSE	MWI Activation (Visual)	Message Delivery Service	100.0	100.0	100.0	100.0
BSE	Multiline Hunt Group	Hunting	100.0	100.0	100.0	100.0
BSE	MLHG CO Announcements	Uniform Call Distribut'n	100.0	100.0	100.0	100.0
BSE	MLHG Access to Each Port	Hunting	100.0	100.0	100.0	100.0
BSE	MLHG Overflow	Hunting	100.0	100.0	100.0	100.0
BSE	MLHG UCD Line Hunting	Uniform Call Distribut'n	100.0	100.0	100.0	100.0
BSE	MLHG UCD With Queuing	Uniform Call Distribut'n	100.0	100.0	100.0	100.0
BSE	Three Way Call Transfer	Call Transfer	100.0	100.0	100.0	100.0
BSE	Mssg Desk Expand (SMDIE)	Msg Del Svc (Interoffice	100.0	100.0	100.0	100.0
BSE	MWI Act (Audible) Expand	Msg Del Svc (Interoffice	100.0	100.0	100.0	100.0
BSE	MWI Act (Visual) Expand	Msg Del Svc (Interoffice	100.0	100.0	100.0	100.0
BSE	Mplx-T1-1.544Mbps-Line	Interface Group 6	100.0	100.0	100.0	100.0
BSE	Remote Call Forwarding	Market Expansion Line	100.0	100.0	100.0	100.0
BSE	Three Way Calling	Three Way Calling	100.0	100.0	100.0	100.0
BSE	Dial Call Waiting	Dial Call Waiting	.0	.0	.0	.0
BSE	Distinctive Alert	Distinctive Alert	.0	.0	.0	.0
BSE	Dir Call Pickup w/oBarge	Dir Call PU w/o Barge-In	100.0	100.0	100.0	100.0
BSE	Dir Call Pickup w/Barge	Dir Call PU w/ Barge-In	100.0	100.0	100.0	100.0
BSE	Call Transfer on DID	DID 2-Way Call Transfer	.0	.0	.0	.0

SUMMARY FOR MARKET AREA: YUMA   - ARIZONA

NPAs: 520

Total Access Lines in: YUMA   =   68602

Percentage Availability of ONA Services By Date for YUMA

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
CNS	Direct Call Packet	Auto Call (Packet)	.0	.0	.0	.0
CNS	Abbreviated Call-Packet	Abbreviated Call (pkt)	.0	.0	.0	.0
CNS	Derived Ch (Monitoring)	Scan Alert	.0	.0	.0	.0
CNS	Ver Intgrty Subscr Lines	Scan Alert	.0	.0	.0	.0
CNS	Automatic Callback	Continuous Redial	100.0	100.0	100.0	100.0
CNS	Automatic Recall	Last Call Return	100.0	100.0	100.0	100.0
CNS	CFBL Intraswitch	Call Fwd'ing Busy Line	100.0	100.0	100.0	100.0
CNS	CFBL Interswitch	Call Fwd Busy Line (Exp)	100.0	100.0	100.0	100.0
CNS	CFBL/DA Cust Act/Deact	Call Fwd BL, Cust Prog	100.0	100.0	100.0	100.0
CNS	CFBL/DA Cust Fwd To No.	Call Fwd DA, Cust Prog	100.0	100.0	100.0	100.0
CNS	CFDA Intraswitch	Call Fwd'ing Don't Ans	100.0	100.0	100.0	100.0
CNS	CFDA Interswitch	Call Fwd Don't Ans (Exp)	100.0	100.0	100.0	100.0
CNS	CF Mult Sim Call Intersw	Call Fwd'ing Variable	100.0	100.0	100.0	100.0
CNS	CF Variable	Call Fwd'ing Variable	100.0	100.0	100.0	100.0
CNS	CF Var Act w/o Crtsy Cal	Call Fwd Var w/o Compl	.0	.0	.0	.0
CNS	CF Var Remote Act/Cntrol	Rem Access Fwd'ing	100.0	100.0	100.0	100.0
CNS	Call Waiting Cancel	Call Waiting	100.0	100.0	100.0	100.0
CNS	CFDA After CW	Call Waiting	100.0	100.0	100.0	100.0
CNS	Cust Originated Trace	Call Trace	100.0	100.0	100.0	100.0
CNS	Distinctive Ringing	Priority Call	100.0	100.0	100.0	100.0
CNS	Dist Ring Term Screen	Custom Ringing	100.0	100.0	100.0	100.0
CNS	Hot Line	Hot Line	100.0	100.0	100.0	100.0
CNS	MWI ATR Audible Msg Wtg	Msg Wtg Indic'n-Audible	100.0	100.0	100.0	100.0
CNS	MWI ATR Visual Msg Wtg	Msg Wtg Indic'n-Visual	100.0	100.0	100.0	100.0
CNS	Selective Call Forward'g	Selective Call Fwd'ing	100.0	100.0	100.0	100.0
CNS	Selective Call Rejection	Call Rejection	100.0	100.0	100.0	100.0
CNS	Shared Speed Calling	Abbr Acc/Act (1-2 Digit)	100.0	100.0	100.0	100.0
CNS	Speed Calling	Speed Calling (8 No)	100.0	100.0	100.0	100.0
CNS	Warm Line	Warm Line	100.0	100.0	100.0	100.0
CNS	CFBL & CFDA Intraswitch	Call Fwd Busy Line/DA	100.0	100.0	100.0	100.0
CNS	Custom Ring'g-CF(future)	Custom Ringing-Call Fwd	.0	.0	.0	.0
CNS	Dual Tel Coverage(future	Dual Telephone Coverage	.0	.0	.0	.0
CNS	CFDA To DID Intraswitch	Expanded Answer	.0	.0	.0	.0
CNS	CFBL & CFDA Interswitch	Call Fwd'ing BL/DA (Exp)	100.0	100.0	100.0	100.0
CNS	Speed Calling (30 No)	Speed Calling (30 No)	100.0	100.0	100.0	100.0
CNS	MWI Audible/Visual	MWI ATR Aud/Vis	100.0	100.0	100.0	100.0

SUMMARY FOR MARKET AREA: BOULDER   - COLORADO

NPAs:

Total Access Lines in: BOULDER   =   0

Percentage Availability of ONA Services By Date for BOULDER

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSA	C2 TypA - X.25 Pkt Sw	Packet Switching (X.25)	.0	.0	.0	.0
BSA	C2 TypB - X.75 Pkt Sw	Packet Switching (X.75)	.0	.0	.0	.0
BSA	Frame Relay Service	Frame Relay Service	.0	.0	.0	.0
BSA	ATM Cell Relay Service	ATM Cell Relay Service	.0	.0	.0	.0
BSA	MegaCentral Service	MegaCentral Service	.0	.0	.0	.0
BSA	C3 TypA - Ded Metallic	Analog PLS-DCCS	.0	.0	.0	.0
BSA	C3 TypB - Ded Telegraph	Analog PLS-LSDS	.0	.0	.0	.0
BSA	C3 TypC - Ded Voice Grd	Analog PLS-VGS	.0	.0	.0	.0
BSA	C3 TypD - Ded Prgm Audio	Analog PLS-AS	.0	.0	.0	.0
BSA	C3 TypE - Ded Video	Analog PLS-VS	.0	.0	.0	.0
BSA	C3 TypF - Ded < 64kbps	Digital Data Service	.0	.0	.0	.0
BSA	C3 TypG - Ded 1.544Mbps	DS1 Service	.0	.0	.0	.0
BSA	C3 TypH - Ded >1.544Mbps	DS3 Service	.0	.0	.0	.0
BSA	C4 - Ded Ntwk Accss Link	Analog PLS	.0	.0	.0	.0
BSA	Data Over Voice (DOV)	Simultaneous Voice/Data	.0	.0	.0	.0
BSA	C3 TypK - Ded 64 kbps	Digital Data Svc-64kbps	.0	.0	.0	.0
BSA	C1 TypA - Ckt Sw Line	Voice Gr Line Ckt Swt'd	.0	.0	.0	.0
BSA	C1 TypB - Ckt Sw Trunk	Voice Gr Trnk Ckt Swt'd	.0	.0	.0	.0
BSA	Coin Ph-Post Dial DTMF	SP & Shared Coin Lines	.0	.0	.0	.0
BSA	Faster Signaling-DID	Called Dir No Deliv(DID)	.0	.0	.0	.0
BSA	555 Access Service	555 Access Service	.0	.0	.0	.0

SUMMARY FOR MARKET AREA: BOULDER   - COLORADO

NPAs:

Total Access Lines in: BOULDER   =   0

Percentage Availability of ONA Services By Date for BOULDER

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSE	Call Det Recd'g Rpts Pkt	Acc Svc Bill Info (pkt)	.0	.0	.0	.0
BSE	Call Redirection Packet	Backup/Redirection (pkt)	.0	.0	.0	.0
BSE	Closed User Groups Pkt	Closed User Group (pkt)	.0	.0	.0	.0
BSE	Fast Select Accept Pkt	Fast Select Accept (pkt)	.0	.0	.0	.0
BSE	Fast Select Request Pkt	Fast Select Accept (pkt)	.0	.0	.0	.0
BSE	Hunt Groups Packet	Mult Port Hunt Grp (pkt)	.0	.0	.0	.0
BSE	Menu Acs Trans - Gateway	Community Link	.0	.0	.0	.0
BSE	Reverse Chg Accept Pkt	Rev Chg Acceptance (pkt)	.0	.0	.0	.0
BSE	Incoming Cls Barred-Pkt	CUG Inc Acc Barred (pkt)	.0	.0	.0	.0
BSE	Outgoing Cls Barred-Pkt	CUG Out Acc Barred (pkt)	.0	.0	.0	.0
BSE	Flow Contr Param Neg-Pkt	Flow Control Param (pkt)	.0	.0	.0	.0

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSE	Logical Chan Layout-Pkt	Logical Chan Layout(pkt)	.0	.0	.0	.0
BSE	Logical Channels-Pkt	Logical Channel (pkt)	.0	.0	.0	.0
BSE	Mult Ntwk Addr/Port-Pkt	Mult Ntwk Addresses(pkt)	.0	.0	.0	.0
BSE	Default Window Size-Pkt	Non-Std Window Size(pkt)	.0	.0	.0	.0
BSE	Perm Virtual Ckt-Pkt	Perm Virtual Ckt (pkt)	.0	.0	.0	.0
BSE	Rev Chg Req Optn-Pkt	Rev Charge Option (pkt)	.0	.0	.0	.0
BSE	Acc To Clr Ch Transmissn	Clear Channel Capability	.0	.0	.0	.0
BSE	Automatic Protect Swtchg	Automatic Loop Transfer	.0	.0	.0	.0
BSE	Bridging	Bridging	.0	.0	.0	.0
BSE	Conditioning	Private Line Condition	.0	.0	.0	.0
BSE	Secondary Ch Capability	Secondary Channel	.0	.0	.0	.0
BSE	Network Reconfiguration	Command-A-Link	.0	.0	.0	.0
BSE	ANI Forwarding (future)	ANI Forwarding	.0	.0	.0	.0
BSE	Order Entry Service	ANI Order Entry	.0	.0	.0	.0
BSE	Trans Imprv-Ckt Sw Svcs	Improve Trans Perform	.0	.0	.0	.0
BSE	Multiplexing-Digital	Multiplexing	.0	.0	.0	.0
BSE	Call Det Rcdg-NXX Screen	Network Access Service	.0	.0	.0	.0
BSE	Traffic Data Reports	Traffic Data Report Svc	.0	.0	.0	.0
BSE	Alternate Routing	Alt Traffic Routing	.0	.0	.0	.0
BSE	Answer Supv'n Line Side	Ans Supv'n - Line Side	.0	.0	.0	.0
BSE	Call Detail Recrd'g Rpts	Access Svc Billing Info	.0	.0	.0	.0
BSE	Clld DN Deliv via DID	Called Dir No Deliv(DID)	.0	.0	.0	.0
BSE	Flexible ANI	Flexible ANI	.0	.0	.0	.0
BSE	Cllg Bllg Num Deliv FG B	Auto Number ID (FGB)	.0	.0	.0	.0
BSE	Cllg Bllg Num Deliv FG D	Auto Number ID (FGD)	.0	.0	.0	.0
BSE	Cllg DN Deliv via BCLID	Calling No. ID (BCLID)	.0	.0	.0	.0
BSE	Cllg DN Deliv via ICLID	Caller ID - Number	.0	.0	.0	.0
BSE	DID Trunk Queuing	DID Trk Q & Basic Announ	.0	.0	.0	.0
BSE	Make Busy Key	Make Busy	.0	.0	.0	.0
BSE	Message Desk (SMDI)	Message Delivery Service	.0	.0	.0	.0
BSE	MWI Activation (Audible)	Message Delivery Service	.0	.0	.0	.0
BSE	MWI Activation (Visual)	Message Delivery Service	.0	.0	.0	.0
BSE	Multiline Hunt Group	Hunting	.0	.0	.0	.0
BSE	MLHG CO Announcements	Uniform Call Distribut'n	.0	.0	.0	.0
BSE	MLHG Access to Each Port	Hunting	.0	.0	.0	.0
BSE	MLHG Overflow	Hunting	.0	.0	.0	.0
BSE	MLHG UCD Line Hunting	Uniform Call Distribut'n	.0	.0	.0	.0
BSE	MLHG UCD With Queuing	Uniform Call Distribut'n	.0	.0	.0	.0
BSE	Three Way Call Transfer	Call Transfer	.0	.0	.0	.0
BSE	Mssg Desk Expand (SMDIE)	Msg Del Svc (Interoffice	.0	.0	.0	.0
BSE	MWI Act (Audible) Expand	Msg Del Svc (Interoffice	.0	.0	.0	.0
BSE	MWI Act (Visual) Expand	Msg Del Svc (Interoffice	.0	.0	.0	.0
BSE	Mplx-T1-1.544Mbps-Line	Interface Group 6	.0	.0	.0	.0
BSE	Remote Call Forwarding	Market Expansion Line	.0	.0	.0	.0
BSE	Three Way Calling	Three Way Calling	.0	.0	.0	.0
BSE	Dial Call Waiting	Dial Call Waiting	.0	.0	.0	.0
BSE	Distinctive Alert	Distinctive Alert	.0	.0	.0	.0
BSE	Dir Call Pickup w/oBarge	Dir Call PU w/o Barge-In	.0	.0	.0	.0
BSE	Dir Call Pickup w/Barge	Dir Call PU w/ Barge-In	.0	.0	.0	.0
BSE	Call Transfer on DID	DID 2-Way Call Transfer	.0	.0	.0	.0

SUMMARY FOR MARKET AREA: BOULDER   - COLORADO

NPAs:

Total Access Lines in: BOULDER   =   0

Percentage Availability of ONA Services By Date for BOULDER

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
CNS	Direct Call Packet	Auto Call (Packet)	.0	.0	.0	.0
CNS	Abbreviated Call-Packet	Abbreviated Call (pkt)	.0	.0	.0	.0
CNS	Derived Ch (Monitoring)	Scan Alert	.0	.0	.0	.0
CNS	Ver Intgrty Subscr Lines	Scan Alert	.0	.0	.0	.0
CNS	Automatic Callback	Continuous Redial	.0	.0	.0	.0
CNS	Automatic Recall	Last Call Return	.0	.0	.0	.0
CNS	CFBL Intraswitch	Call Fwd'ing Busy Line	.0	.0	.0	.0
CNS	CFBL Interswitch	Call Fwd Busy Line (Exp)	.0	.0	.0	.0
CNS	CFBL/DA Cust Act/Deact	Call Fwd BL, Cust Prog	.0	.0	.0	.0
CNS	CFBL/DA Cust Fwd To No.	Call Fwd DA, Cust Prog	.0	.0	.0	.0
CNS	CFDA Intraswitch	Call Fwd'ing Don't Ans	.0	.0	.0	.0
CNS	CFDA Interswitch	Call Fwd Don't Ans (Exp)	.0	.0	.0	.0
CNS	CF Mult Sim Call Intersw	Call Fwd'ing Variable	.0	.0	.0	.0
CNS	CF Variable	Call Fwd'ing Variable	.0	.0	.0	.0
CNS	CF Var Act w/o Crtsy Cal	Call Fwd Var w/o Compl	.0	.0	.0	.0
CNS	CF Var Remote Act/Cntrol	Rem Access Fwd'ing	.0	.0	.0	.0
CNS	Call Waiting Cancel	Call Waiting	.0	.0	.0	.0
CNS	CFDA After CW	Call Waiting	.0	.0	.0	.0
CNS	Cust Originated Trace	Call Trace	.0	.0	.0	.0
CNS	Distinctive Ringing	Priority Call	.0	.0	.0	.0
CNS	Dist Ring Term Screen	Custom Ringing	.0	.0	.0	.0
CNS	Hot Line	Hot Line	.0	.0	.0	.0
CNS	MWI ATR Audible Msg Wtg	Msg Wtg Indic'n-Audible	.0	.0	.0	.0
CNS	MWI ATR Visual Msg Wtg	Msg Wtg Indic'n-Visual	.0	.0	.0	.0
CNS	Selective Call Forward'g	Selective Call Fwd'ing	.0	.0	.0	.0
CNS	Selective Call Rejection	Call Rejection	.0	.0	.0	.0
CNS	Shared Speed Calling	Abbr Acc/Act (1-2 Digit)	.0	.0	.0	.0
CNS	Speed Calling	Speed Calling (8 No)	.0	.0	.0	.0
CNS	Warm Line	Warm Line	.0	.0	.0	.0
CNS	CFBL & CFDA Intraswitch	Call Fwd Busy Line/DA	.0	.0	.0	.0
CNS	Custom Ring'g-CF(future)	Custom Ringing-Call Fwd	.0	.0	.0	.0
CNS	Dual Tel Coverage(future	Dual Telephone Coverage	.0	.0	.0	.0
CNS	CFDA To DID Intraswitch	Expanded Answer	.0	.0	.0	.0
CNS	CFBL & CFDA Interswitch	Call Fwd'ing BL/DA (Exp)	.0	.0	.0	.0
CNS	Speed Calling (30 No)	Speed Calling (30 No)	.0	.0	.0	.0
CNS	MWI Audible/Visual	MWI ATR Aud/Vis	.0	.0	.0	.0

SUMMARY FOR MARKET AREA: COLO SPRINGS   - COLORADO

NPAs: 719

Total Access Lines in: COLO SPRINGS   =   298117

Percentage Availability of ONA Services By Date for COLO SPRINGS

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSA	C2 TypA - X.25 Pkt Sw	Packet Switching (X.25)	100.0	100.0	100.0	100.0
BSA	C2 TypB - X.75 Pkt Sw	Packet Switching (X.75)	100.0	100.0	100.0	100.0
BSA	Frame Relay Service	Frame Relay Service	100.0	100.0	100.0	100.0
BSA	ATM Cell Relay Service	ATM Cell Relay Service	100.0	100.0	100.0	100.0
BSA	MegaCentral Service	MegaCentral Service	100.0	100.0	100.0	100.0
BSA	C3 TypA - Ded Metallic	Analog PLS-DCCS	100.0	100.0	100.0	100.0
BSA	C3 TypB - Ded Telegraph	Analog PLS-LSDS	100.0	100.0	100.0	100.0
BSA	C3 TypC - Ded Voice Grd	Analog PLS-VGS	100.0	100.0	100.0	100.0
BSA	C3 TypD - Ded Prgm Audio	Analog PLS-AS	100.0	100.0	100.0	100.0
BSA	C3 TypE - Ded Video	Analog PLS-VS	100.0	100.0	100.0	100.0
BSA	C3 TypF - Ded < 64kbps	Digital Data Service	100.0	100.0	100.0	100.0
BSA	C3 TypG - Ded 1.544Mbps	DS1 Service	100.0	100.0	100.0	100.0
BSA	C3 TypH - Ded >1.544Mbps	DS3 Service	100.0	100.0	100.0	100.0
BSA	C4 - Ded Ntwk Accss Link	Analog PLS	100.0	100.0	100.0	100.0
BSA	Data Over Voice (DOV)	Simultaneous Voice/Data	100.0	100.0	100.0	100.0
BSA	C3 TypK - Ded 64 kbps	Digital Data Svc-64kbps	100.0	100.0	100.0	100.0
BSA	C1 TypA - Ckt Sw Line	Voice Gr Line Ckt Swt'd	100.0	100.0	100.0	100.0
BSA	C1 TypB - Ckt Sw Trunk	Voice Gr Trnk Ckt Swt'd	100.0	100.0	100.0	100.0
BSA	Coin Ph-Post Dial DTMF	SP & Shared Coin Lines	100.0	100.0	100.0	100.0
BSA	Faster Signaling-DID	Called Dir No Deliv(DID)	100.0	100.0	100.0	100.0
BSA	555 Access Service	555 Access Service	100.0	100.0	100.0	100.0

Percentage Availability of ONA Services By Date for COLO SPRINGS

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSE	Call Det Recd'g Rpts Pkt	Acc Svc Bill Info (pkt)	100.0	100.0	100.0	100.0
BSE	Call Redirection Packet	Backup/Redirection (pkt)	100.0	100.0	100.0	100.0
BSE	Closed User Groups Pkt	Closed User Group (pkt)	100.0	100.0	100.0	100.0
BSE	Fast Select Accept Pkt	Fast Select Accept (pkt)	100.0	100.0	100.0	100.0
BSE	Fast Select Request Pkt	Fast Select Accept (pkt)	100.0	100.0	100.0	100.0
BSE	Hunt Groups Packet	Mult Port Hunt Grp (pkt)	100.0	100.0	100.0	100.0
BSE	Menu Acs Trans - Gateway	Community Link	.0	.0	.0	.0
BSE	Reverse Chg Accept Pkt	Rev Chg Acceptance (pkt)	100.0	100.0	100.0	100.0
BSE	Incoming Cls Barred-Pkt	CUG Inc Acc Barred (pkt)	100.0	100.0	100.0	100.0
BSE	Outgoing Cls Barred-Pkt	CUG Out Acc Barred (pkt)	100.0	100.0	100.0	100.0
BSE	Flow Contr Param Neg-Pkt	Flow Control Param (pkt)	100.0	100.0	100.0	100.0

Type	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/98	12/31/99	12/31/00	12/31/01
BSE	Logical Chan Layout-Pkt	Logical Chan Layout(pkt)	100.0	100.0	100.0	100.0
BSE	Logical Channels-Pkt	Logical Channel (pkt)	100.0	100.0	100.0	100.0
BSE	Mult Ntwk Addr/Port-Pkt	Mult Ntwk Addresses(pkt)	100.0	100.0	100.0	100.0
BSE	Default Window Size-Pkt	Non-Std Window Size(pkt)	100.0	100.0	100.0	100.0
BSE	Perm Virtual Ckt-Pkt	Perm Virtual Ckt (pkt)	100.0	100.0	100.0	100.0
BSE	Rev Chg Req Optn-Pkt	Rev Charge Option (pkt)	100.0	100.0	100.0	100.0
BSE	Acc To Clr Ch Transmissn	Clear Channel Capability	100.0	100.0	100.0	100.0
BSE	Automatic Protect Swtchg	Automatic Loop Transfer	100.0	100.0	100.0	100.0
BSE	Bridging	Bridging	100.0	100.0	100.0	100.0
BSE	Conditioning	Private Line Condition	100.0	100.0	100.0	100.0
BSE	Secondary Ch Capability	Secondary Channel	100.0	100.0	100.0	100.0
BSE	Network Reconfiguration	Command-A-Link	100.0	100.0	100.0	100.0
BSE	ANI Forwarding (future)	ANI Forwarding	.0	.0	.0	.0
BSE	Order Entry Service	ANI Order Entry	100.0	100.0	100.0	100.0
BSE	Trans Imprv-Ckt Sw Svcs	Improve Trans Perform	100.0	100.0	100.0	100.0
BSE	Multiplexing-Digital	Multiplexing	100.0	100.0	100.0	100.0
BSE	Call Det Rcdg-NXX Screen	Network Access Service	100.0	100.0	100.0	100.0
BSE	Traffic Data Reports	Traffic Data Report Svc	100.0	100.0	100.0	100.0
BSE	Alternate Routing	Alt Traffic Routing	100.0	100.0	100.0	100.0
BSE	Answer Supv'n Line Side	Ans Supv'n - Line Side	10.0	10.0	10.0	10.0
BSE	Call Detail Recrd'g Rpts	Access Svc Billing Info	100.0	100.0	100.0	100.0
BSE	Clld DN Deliv via DID	Called Dir No Deliv(DID)	100.0	100.0	100.0	100.0
BSE	Flexible ANI	Flexible ANI	15.9	15.9	15.9	15.9
BSE	Cllg Bllg Num Deliv FG B	Auto Number ID (FGB)	100.0	100.0	100.0	100.0
BSE	Cllg Bllg Num Deliv FG D	Auto Number ID (FGD)	100.0	100.0	100.0	100.0
BSE	Cllg DN Deliv via BCLID	Calling No. ID (BCLID)	6.9	6.9	6.9	6.9
BSE	Cllg DN Deliv via ICLID	Caller ID - Number	97.9	97.9	97.9	97.9
BSE	DID Trunk Queuing	DID Trk Q & Basic Announ	6.9	6.9	6.9	6.9
BSE	Make Busy Key	Make Busy	98.4	98.4	98.4	98.4
BSE	Message Desk (SMDI)	Message Delivery Service	100.0	100.0	100.0	100.0
BSE	MWI Activation (Audible)	Message Delivery Service	99.4	99.4	99.4	99.4
BSE	MWI Activation (Visual)	Message Delivery Service	99.4	99.4	99.4	99.4
BSE	Multiline Hunt Group	Hunting	100.0	100.0	100.0	100.0
BSE	MLHG CO Announcements	Uniform Call Distribut'n	97.9	97.9	97.9	97.9
BSE	MLHG Access to Each Port	Hunting	100.0	100.0	100.0	100.0
BSE	MLHG Overflow	Hunting	100.0	100.0	100.0	100.0
BSE	MLHG UCD Line Hunting	Uniform Call Distribut'n	98.4	98.4	98.4	98.4
BSE	MLHG UCD With Queuing	Uniform Call Distribut'n	98.4	98.4	98.4	98.4
BSE	Three Way Call Transfer	Call Transfer	100.0	100.0	100.0	100.0
BSE	Mssg Desk Expand (SMDIE)	Msg Del Svc (Interoffice	100.0	100.0	100.0	100.0
BSE	MWI Act (Audible) Expand	Msg Del Svc (Interoffice	100.0	100.0	100.0	100.0
BSE	MWI Act (Visual) Expand	Msg Del Svc (Interoffice	100.0	100.0	100.0	100.0
BSE	Mplx-T1-1.544Mbps-Line	Interface Group 6	100.0	100.0	100.0	100.0
BSE	Remote Call Forwarding	Market Expansion Line	100.0	100.0	100.0	100.0
BSE	Three Way Calling	Three Way Calling	100.0	100.0	100.0	100.0
BSE	Dial Call Waiting	Dial Call Waiting	84.7	84.7	84.7	84.7
BSE	Distinctive Alert	Distinctive Alert	83.1	83.1	83.1	83.1
BSE	Dir Call Pickup w/oBarge	Dir Call PU w/o Barge-In	93.1	93.1	93.1	93.1
BSE	Dir Call Pickup w/Barge	Dir Call PU w/ Barge-In	93.1	93.1	93.1	93.1
BSE	Call Transfer on DID	DID 2-Way Call Transfer	89.5	89.5	89.5	89.5